

Aspire 5737Z Series Service Guide

Service guide files and updates are available on the ACER/CSD web; for more information, please refer to <http://csd.acer.com.tw>

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Revision History

Please refer to the table below for the updates made on Aspire 5737Z Series service guide.

Date	Chapter	Updates

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Conventions

The following conventions are used in this manual:

SCREEN MESSAGES	Denotes actual messages that appear on screen.
NOTE	Gives bits and pieces of additional information related to the current topic.
WARNING	Alerts you to any damage that might result from doing or not doing specific actions.
CAUTION	Gives precautionary measures to avoid possible hardware or software problems.
IMPORTANT	Reminds you to do specific actions relevant to the accomplishment of procedures.

Preface

Before using this information and the product it supports, please read the following general information.

1. This Service Guide provides you with all technical information relating to the BASIC CONFIGURATION decided for Acer's "global" product offering. To better fit local market requirements and enhance product competitiveness, your regional office MAY have decided to extend the functionality of a machine (e.g. add-on card, modem, or extra memory capability). These LOCALIZED FEATURES will NOT be covered in this generic service guide. In such cases, please contact your regional offices or the responsible personnel/channel to provide you with further technical details.
2. Please note WHEN ORDERING FRU PARTS, that you should check the most up-to-date information available on your regional web or channel. If, for whatever reason, a part number change is made, it will not be noted in the printed Service Guide. For ACER-AUTHORIZED SERVICE PROVIDERS, your Acer office may have a DIFFERENT part number code to those given in the FRU list of this printed Service Guide. You MUST use the list provided by your regional Acer office to order FRU parts for repair and service of customer machines.

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System Specifications

Features

Below is a brief summary of the computer's many features:

Operating System

- Genuine Windows® Vista™

Platform

- Intel® Core™ 2 Duo processor*
- Intel® Pentium® dual-core processor*
- NVIDIA® nForce® MCP79MX
- Acer InviLink™ Nplify™ 802.11b/g/Draft-N*
- Acer InviLink™ 802.11b/g*

System Memory

- Dual-channel support
- Up to 2 GB of DDR3 1066 MHz memory, upgradeable to 4 GB using two soDIMM modules

Display and graphics

- 16:9 aspect ratio
- 15.6" HD 1366 x 768
- NVIDIA® GeForce® 9400M G

Storage subsystem

- 2.5" hard disk drive
- Optical drive option:
 - Blu-ray Disc™ /DVD-Super Multi double-layer drive*
 - DVD-Super Multi double-layer drive*
- 5-in-1 card reader

Audio

- Dolby® -optimized surround sound system with two built-in stereo speakers
- True5.1-channel surround sound output
- High-definition audio support
- S/PDIF (Sony/Philips Digital Interface) support for digital speakers
- Acer PureZone technology with two built-in stereo microphones
- MS-Sound compatible

Dimensions and Weight

- 383 (W) x 250 (D) x 26/37 (H) mm (14.93 x 9.75x 1.01/1.44 inches)
- 2.92kg (6.45 lbs.) with 6-cell battery

Communication

- Acer Video Conference, featuring:
 - Integrated Acer Crystal Eye webcam*
 - Acer PureZone technology*
 - Optional Acer Xpress VoIP phone*
- WLAN:
 - Acer InviLink™ Nplify™ 802.11b/g/Draft-N*
 - Acer InviLink™ 802.11b/g*
- WPAN: Bluetooth® 2.0+Enhanced Data Rate (EDR)*
- LAN: Gigabit Ethernet; Wake-on-LAN ready

Privacy control

- Acer Bio-Protection fingerprint solution*
- BIOS user, supervisor, HDD passwords
- Kensington lock slot

Power subsystem

- ACPI 3.0
- 48.8 W 4400 mAh
- 3-pin 65 W AC adapter
- ENERGY STAR® 4.0*

Special keys and controls

- 105-/106-key keyboard
- Touchpad pointing device

I/O interface

- 5-in-1 card reader (SD/MMC/MS/MS PRO/xD)
- USB 2.0 port
- HDMI™ port with HDCP support*
- External display (VGA) port
- Headphones/speaker/line-out jack with S/PDIF support*
- Microphone-in jack
- Line-in jack
- Ethernet (RJ-45) port
- DC-in jack for AC adapter

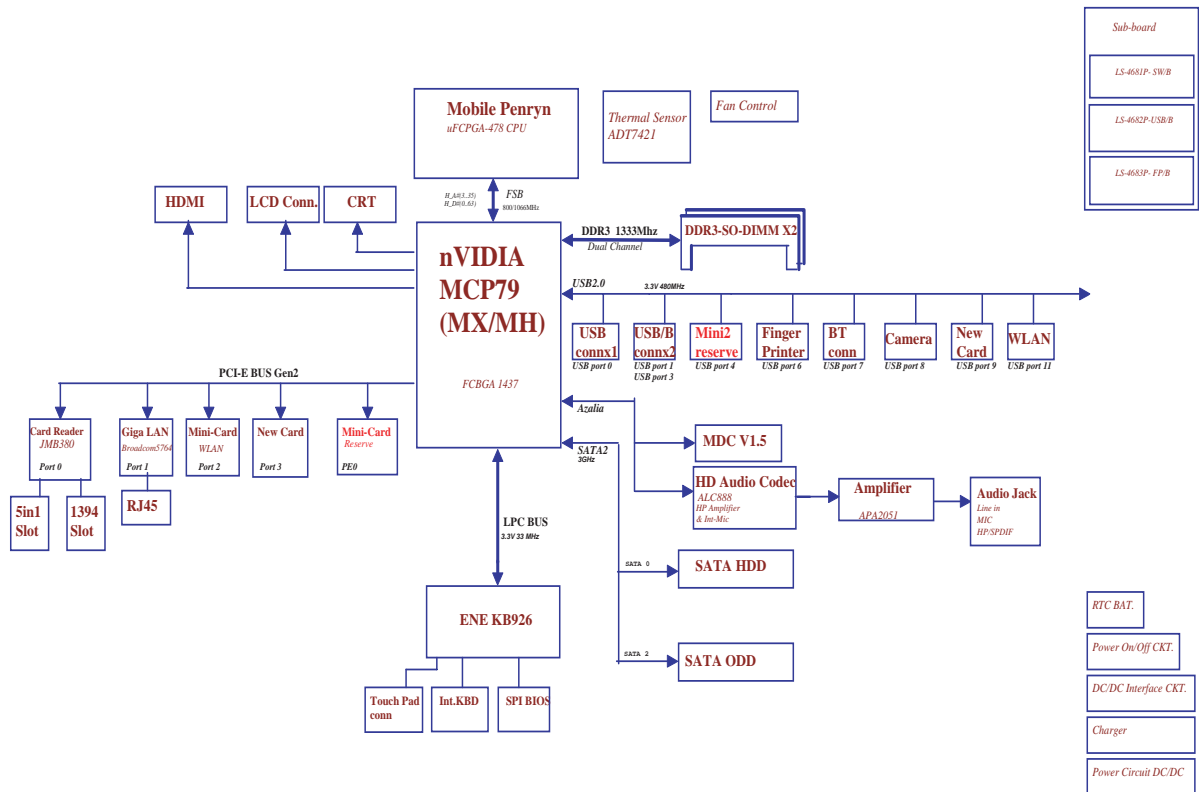
Environment

- Temperature:
 - Operating: 5 °C to 35 °C
 - Non-operating: -20 °C to 65 °C
- Humidity (non-condensing):
 - Operating: 20% to 80%
 - Non-operating: 20% to 80%

NOTE: Items marked with * denote only selected models.

NOTE: The specifications listed above are for reference only. The exact configuration of your PC depends on the model purchased.

System Block Diagram













Your Acer Notebook tour

After knowing your computer features, let us show you around your new computer.

Front View




No.	Icon	Item	Description
1		Acer Crystal Eye webcam	Web camera for video communication (for selected models).
2		Microphone	Internal microphone for sound recording.
3		Display screen	Also called Liquid-Crystal Display (LCD), displays computer output (configuration may vary by models).
4		Power button	Turns the computer on and off.
5	VOL+/VOL-	Volume up/ Volume down	Increases the sound volume/Decreases the sound volume.
6		Keyboard	For entering data into your computer.
7		Palmrest	Comfortable support area for your hands when you use the computer.
8		TouchPad	Touch-sensitive pointing device which functions like a computer mouse.
9		Click buttons (left, center* and right)	The left and right buttons function like the left and right mouse buttons. *The center button serves as Acer Bio-Protection fingerprint reader supporting Acer FingerNav 4-way control function (only for certain models).

No.	Icon	Item	Description
10		Power ¹	Indicates the computer's power status.
		Battery ¹	Indicates the computer's battery status. 1. Charging: The light shows amber when the battery is charging. 2. Fully charged: The light shows green when in AC mode.
11	P	Programmable key	User-programmable
		Mail	Email application (user-programmable)
		Bluetooth communication button/indicator	Enables/disables the Bluetooth function. Indicates the status of Bluetooth communication.
		Wireless communication button/indicator	Enables/disables the wireless LAN function. Indicates the status of wireless LAN communication.
12		HDD	Indicates when the hard disk drive is active.
		Caps Lock	Lights up when Caps Lock is activated.
		Num Lock	Lights up when Num Lock is activated.
13		Speakers	Left and right speakers deliver stereo audio output.

NOTE: ¹The Power and Battery indicators are visible even when the computer cover is closed

Closed Front View



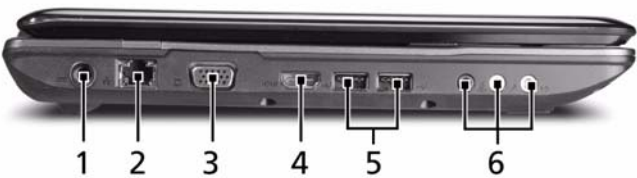
No.	Icon	Item	Description
1		5-in-1 Card Reader	Accepts Secure Digital (SD), MultiMediaCard (MMC), Memory Stick (MS), Memory Stick Pro (MS PRO), and xD-Picture Card. Note: Push to remove/install the card. Only one card can operate at any given time.








Rear View



No.	Item	Description
1	Ventilation slots	Enable the computer to stay cool, even after prolonged use.



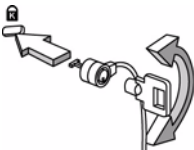
Left View



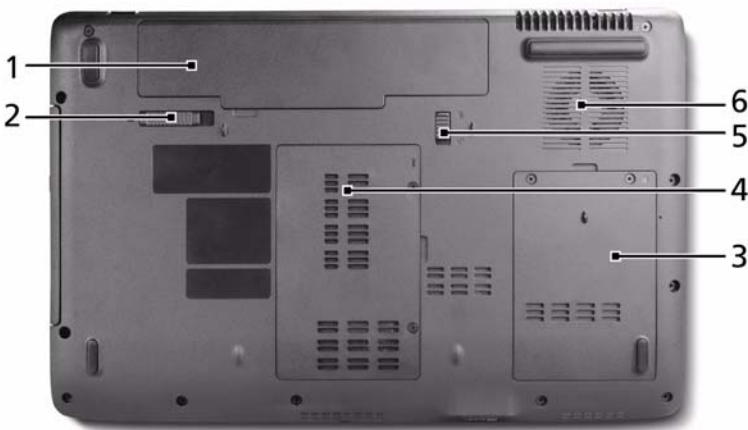
No.	Icon	Item	Description
1		DC-in jack	Connects to an AC adapter
2		Ethernet (RJ-45) port	Connects to an Ethernet 10/100-based network.
3		External display (VGA) port	Connects to a display device (e.g. external monitor, LCD projector).
4	HDMI	HDMI port	Supports high definition digital video connections (only for certain models).
5		USB 2.0 ports	Connect to USB 2.0 devices (e.g. USB mouse, USB camera).
6		Headphones/speaker/line-out jack with S/PDIF support	Connects to audio line-out devices (e.g., speakers, headphones).
		Microphone-in jack	Accepts input from external microphones.
		Line-in jack	Accepts audio line-in devices (e.g., audio CD player, stereo walkman, mp3 player)






Right View



No.	Icon	Item	Description
1		USB 2.0 ports	Connects to USB 2.0 devices (e.g., USB mouse, USB camera).
2		Optical drive	Internal optical drive; accepts CDs or DVDs.
3		Optical disk access indicator	Lights up when the optical drive is active.
4		Optical drive eject button	Ejects the optical disk from the drive.
5		Emergency eject hole	Ejects the optical drive tray when the computer is turned off. Note: Insert a paper clip into the emergency eject hole to eject the optical drive tray when the computer is off.
6		Kensington lock slot 	Connects to a Kensington-compatible computer security lock. Note: Wrap the computer security lock cable around an immovable object such as a table or handle of a locked drawer. Insert the lock into the notch and turn the key to secure the lock. Some keyless models are also available.






Bottom View



No.	Icon	Item	Description
1		Battery bay	Houses the computer's battery pack.
2		Battery release latch	Releases the battery for removal.
3		Hard disk bay	Houses the computer's hard disk (secured with screws).
4		Memory compartment	Houses the computer's main memory.
5		Battery lock	Locks the battery in position.
6		Ventilation slots and cooling fan	Enable the computer to stay cool, even after prolonged use. Note: Do not cover or obstruct the fan opening.

Indicators

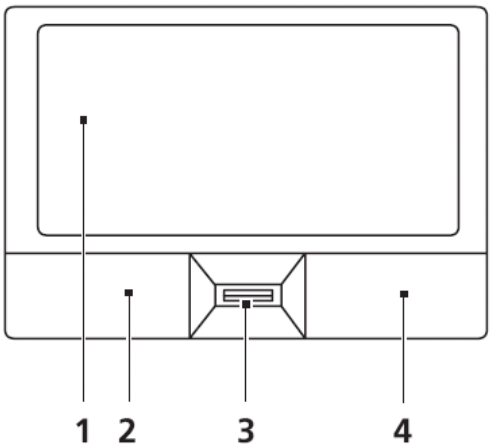
The computer has several easy-to-read status indicators. The front panel indicators are visible even when the computer cover is closed.

Icon	Function	Description
	Power	Indicates the computer's power status.
	Battery	Indicates the computer's battery status.
	HDD	Indicates when the hard disk drive is active.
	Num Lock	Lights up when Num Lock is activated.
	Caps Lock	Lights up when Caps Lock is activated.

NOTE: 1. **Charging:** The light shows amber when the battery is charging. 2. **Fully charged:** The light shows green when in AC mode.

TouchPad Basics (with fingerprint reader)

The following items show you how to use the TouchPad with Acer Bio-Protection fingerprint reader:



- Move your finger across the touchpad (1) to move the cursor.
- Press the left (2) and right (4) buttons located beneath the touchpad to perform selection and execution functions. These two buttons are similar to the left and right buttons on a mouse. Tapping on the touchpad is the same as clicking the left button.
- Use Acer Bio-Protection fingerprint reader (3) supporting Acer FingerNav 4-way control function (only for certain models) or the 4-way scroll (3) button (only for certain models) to scroll up or down and move left or right a page. This fingerprint reader or button mimics your cursor pressing on the right scroll bar of Windows applications.

Function	Left Button (2)	Right Button (4)	Main touchpad (1)
Execute	Quickly click twice		Tap twice (at the same speed as double-clicking a mouse button)
Select	Click once		Tap once
Drag	Click and hold, then use finger on the touchpad to drag the cursor		Tap twice (at the same speed as double-clicking a mouse button); rest your finger on the touchpad on the second tap and drag the cursor
Access context menu		Click once	

NOTE: When using the TouchPad, keep it - and your fingers - dry and clean. The TouchPad is sensitive to finger movement; hence, the lighter the touch, the better the response. Tapping too hard will not increase the TouchPad's responsiveness.

Using the Keyboard

The keyboard has full-sized keys and an embedded numeric keypad, separate cursor, lock, Windows, function and special keys.

Lock Keys and embedded numeric keypad

The keyboard has three lock keys which you can toggle on and off.






















Lock key	Description
Caps Lock	When Caps Lock is on, all alphabetic characters typed are in uppercase.
Num Lock <Fn> + <F11>	When Num Lock is on, the embedded keypad is in numeric mode. The keys function as a calculator (complete with the arithmetic operators +, -, *, and /). Use this mode when you need to do a lot of numeric data entry. A better solution would be to connect an external keypad.
Scroll Lock <Fn> + <F12>	When Scroll Lock is on, the screen moves one line up or down when you press the up or down arrow keys respectively. Scroll Lock does not work with some applications.

The embedded numeric keypad functions like a desktop numeric keypad. It is indicated by small characters located on the upper right corner of the keycaps. To simplify the keyboard legend, cursor-control key symbols are not printed on the keys.

Desired access	Num Lock on	Num Lock off
Number keys on embedded keypad	Type numbers in a normal manner.	
Cursor-control keys on embedded keypad	Hold <Shift> while using cursor-control keys.	Hold <Fn> while using cursor-control keys.
Main keyboard keys	Hold <Fn> while typing letters on embedded keypad.	Type the letters in a normal manner.

Windows Keys

The keyboard has two keys that perform Windows-specific functions.

Key	Description
 Windows key	<p>Pressed alone, this key has the same effect as clicking on the Windows Start button; it launches the Start menu. It can also be used with other keys to provide a variety of functions:</p> <ul style="list-style-type: none"><  >: Open or close the Start menu<  > + <D>: Display the desktop<  > + <E>: Open Windows Explore<  > + <F>: Search for a file or folder<  > + <G>: Cycle through Sidebar gadgets<  > + <L>: Lock your computer (if you are connected to a network domain), or switch users (if you're not connected to a network domain)<  > + <M>: Minimizes all windows<  > + <R>: Open the Run dialog box<  > + <T>: Cycle through programs on the taskbar<  > + <U>: Open Ease of Access Center<  > + <X>: Open Windows Mobility Center<  > + <BREAK>: Display the System Properties dialog box<  > + <SHIFT+M>: Restore minimized windows to the desktop<  > + <TAB>: Cycle through programs on the taskbar by using Windows Flip 3-D<  > + <SPACEBAR>: Bring all gadgets to the front and select Windows Sidebar<CTRL> + <  > + <F>: Search for computers (if you are on a network)<CTRL> + <  > + <TAB>: Use the arrow keys to cycle through programs on the taskbar by using Windows Flip 3-D <p>Note: Depending on your edition of Windows Vista, some shortcuts may not function as described.</p>
 Application key	<p>This key has the same effect as clicking the right mouse button; it opens the application's context menu.</p>

Hot Keys

The computer employs hotkeys or key combinations to access most of the computer's controls like screen brightness, volume output and the BIOS utility.

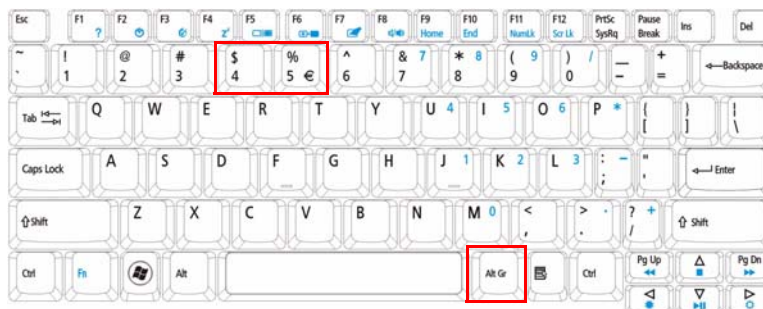
To activate hot keys, press and hold the **<Fn>** key before pressing the other key in the hotkey combination.



Hotkey	Icon	Function	Description
<Fn> + <F1>	?	Hotkey help	Displays help on hotkeys.
<Fn> + <F2>		Acer eSettings Management	Launches Acer eSettings Management in Acer Empowering Technology.
<Fn> + <F3>		Acer ePower Management	Launches Acer ePower Management in Acer Empowering Technology.
<Fn> + <F4>	Z ^z	Sleep	Puts the computer in Sleep mode.
<Fn> + <F5>		Display toggle	Switches display output between the display screen, external monitor (if connected) and both.
<Fn> + <F6>		Screen blank	Turns the display screen backlight off to save power. Press any key to return.
<Fn> + <F7>		TouchPad toggle	Turns the internal TouchPad on and off.
<Fn> + <F8>		Speaker toggle	Turns the speakers on and off.
<Fn> + <F9>		Brightness up	Increases the screen brightness.
<Fn> + <F10>		Brightness down	Decreases the screen brightness.

Special Key

You can locate the Euro symbol and the US dollar sign at the upper-center and/or bottom-right of your keyboard.



The Euro symbol

1. Open a text editor or word processor.
2. Hold <Alt Gr> and then press the <5> key at the upper-center of the keyboard.

NOTE: Note: Some fonts and software do not support the Euro symbol. Please refer to www.microsoft.com/typography/faq/faq12.htm for more information.

The US dollar sign

1. Open a text editor or word processor.
2. Hold <Shift> and then press the <4> key at the upper-center of the keyboard.

NOTE: This function varies by the operating system version.

Using the System Utilities

Acer GridVista (dual-display compatible)

NOTE: This feature is only available on certain models.

To enable the dual monitor feature of the notebook, first ensure that the second monitor is connected, then select **Start, Control Panel, Display** and click on **Settings**. Select the secondary monitor (**2**) icon in the display box and then click the check box **Extend my windows desktop onto this monitor**. Finally, click **Apply** to confirm the new settings and click **OK** to complete the process.



Acer GridVista is a handy utility that offers four pre-defined display settings so you can view multiple windows on the same screen. To access this function, please go to **Start → All Programs** and click on **Acer GridVista**. You may choose any one of the four display settings indicated below:

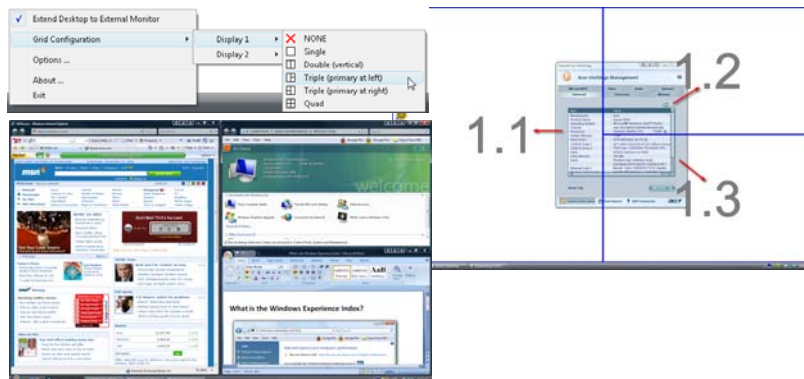


Double (vertical), Triple (primary at left), Triple (primary at right), or Quad Acer Gridvista is dual-display compatible, allowing two displays to be partitioned independently.

Acer GridVista is dual-display compatible, allowing two displays to be partitioned independently.

AcerGridVista is simple to set up:

1. Run Acer GridVista and select your preferred screen configuration for each display from the task bar.
2. Drag and drop each window into the appropriate grid.
3. Enjoy the convenience of a well-organized desktop.



NOTE: Please ensure that the resolution setting of the second monitor is set to the manufacturer's recommended value.

Hardware Specifications and Configurations

Processor

Item	Specification
CPU type	Intel Montevina C2D/PDC / Celeron-M
Core Logic	nVidia MCP79MX
CPU Package	
CPU Core Voltage	

Processor Specifications

Processor #	CPU Speed	Cores	Bus Speed	Mfg Tech	Cache Size	Package	Acer P/N
PMDT3200	2.0 GHz	2	667 MHz	65 nm	1 MB	Socket P	KC.32001.DTP
PMDT3400	2.16 GHz	2	667 MHz	65 nm	1 MB	Socket P	KC.34001.DTP
C2DT6400	2.0 GHz	2	800 MHz	65 nm			KC.64001.DTP

Tj85 CPU Fan True Value Table

CPU Temperature		Fan Speed (rpm)	SPL Spec (dBA)
Core 0	Core 1		
55	55	3300	31
65	65	3700	34
75	75	4200	37
80	80	4600	40

- Throttling on=80° Off=77°
- H/W shutdown at 85~90°

Tj90 CPU Fan True Value Table

CPU Temperature		Fan Speed (rpm)	SPL Spec (dBA)
Core 0	Core 1		
58	58	3300	31
67	67	3700	34
77	77	4200	37
85	85	4600	40

- Throttling on=85° Off=82°
- H/W shutdown at 85~90°

Tj100 CPU Fan True Value Table

CPU Temperature		Fan Speed (rpm)	SPL Spec (dBA)
Core 0	Core 1		
62	62	3300	31
72	72	3700	34
82	82	4200	37
97	97	4600	40

- Throttling on=97° Off=90°
- H/W shutdown at 85~90°

BIOS

Item	Specification
BIOS vendor	Phoenix
BIOS Version	v0.08
BIOS ROM type	Flash ROM
BIOS ROM size	1 MB
Supported protocols	<ul style="list-style-type: none">• Support ISIPP• Support Acer UI• Support multi-boot• Suspend to RAM (S3)/Disk (S4)• Various hot-keys for system control• Support SMBIOS 2.3,PCI2.2• DMI utility for BIOS serial number configurable/asset tag• Support PXE• Support Y2K solution• Support WinFlash• Wake on LAN from S3• Wake on LAN from S4 in AC mode• System information
BIOS password control	Supervisor, User, HDD

System Memory

Item	Specification
Memory controller	On Board
Memory size	0 MB
DIMM socket number	2
Supports memory size per socket	2 GB
Supports maximum memory size	4 GB
Supports DIMM type	DDR SODIMM
Supports DIMM Speed	DDR3 1066 SDRAM
Supports DIMM voltage	1.8V

Memory Combinations

Slot 1	Slot 2	Total Memory
0MB	512MB	512MB
0MB	1024MB	1024MB
0MB	2048MB	2048MB
512MB	512MB	1024MB
512MB	1024MB	1536MB
512MB	2048MB	2560MB
1024MB	0MB	1024MB
1024MB	512MB	1536MB
1024MB	1024MB	2048MB
1024MB	2048MB	3072MB
2048MB	0MB	2048MB
2048MB	512MB	2560MB
2048MB	1024MB	3072MB
2048MB	2048MB	4096MB

NOTE: Above table lists some system memory configurations. You may combine DIMMs with various capacities to form other combinations. On above table, the configuration of slot 1 and slot 2 could be reversed.

LAN Interface

Item	Specification
LAN Chipset	Broadcom 5764
Supports LAN protocol	PCI-E 10/100/1000 MB
LAN connector type	RJ45
LAN connector location	Left side
Features	Support Wake-On-Lan (AC mode S5)

Wireless Module 802.11b/g

Item	Specification
Chipset	Foxconn Wireless LAN Atheros AR5B91 1x2 BGN
Data throughput	
Protocol	802.11b+g, Draft-N
Interface	PCI bus (mini PCI socket for wireless module)

Hard Disk Drive Interface

Item	Specification				
Vendor & Model Name	Segate ST9250827AS	Segate ST9160310AS	Toshiba MK3252GSX	Hitachi 5K350-320 5K350-250	WD WD1600BEVT
Capacity (GB)	250	160	320	320, 250	160
Bytes per sector	512	512	512	512	512
Data heads	4	2	4	4, 4 or 3	2
Drive Format					
Disks	2	1	2	2, 2	1
Spindle speed (RPM)	5400	5400	5400	5400	5400
Performance Specifications					
Buffer size	8 MB	8 MB	8 MB	8 MB	8 MB
Interface	SATA	SATA	SATA	SATA	SATA
Internal transfer rate (Mbits/sec, max)	778	352	400 ~ 794 typical	674 ~ 729	850 Mbits/s maximum
I/O data transfer rate (Mbytes/sec max)	300	150	300	300	300 maximum
DC Power Requirements					
Voltage tolerance	5V \pm 5%	5V \pm 5%	5V \pm 5%	5V \pm 5%	5V \pm 5%

Super-Multi Drive Module

Item	Specification	
Vendor & model name	HLDS GT10N	
Performance Specification	With CD Diskette	With DVD Diskette
Transfer rate (MB/sec)	Sustained: 3,600 KB/s (24x) max.	Sustained: 11.08 Mbytes/s (8x) max.
Buffer Memory	2 MB	
Interface	SATA	
Applicable disc formats	<ul style="list-style-type: none">DVD-ROM:<ul style="list-style-type: none">4.7GB (Single Layer)8.5GB (Dual Layer)DVD-R:<ul style="list-style-type: none">3.95GB (Ver. 1.0: read only)4.7GB (Ver. 2.0 for Authoring: read only)4.7GB (Ver. 2.1 for General: read & write)(DL) 8.5GB (Ver. 3.0)DVD-RW:<ul style="list-style-type: none">4.7GB (Ver. 1.2/ Rev 1.0, 2.0, 3.0)DVD-RAM: 1.46GB/side, 4.7GB/side (Ver. 2.2)DVD+R: 4.7GB (Ver. 1.3)<ul style="list-style-type: none">(DL) 8.5GB (Ver. 1.1)DVD+RW:<ul style="list-style-type: none">4.7GB (Vol.1 Ver.1.3)CD-ROM Mode-1 data discCD-ROM Mode-2 data discCD-ROM XA, CD-I, Photo-CD Multi-Session, Video CDCD-Audio DiscMixed mode CD-ROM disc (data and audio)CD-ExtraCD-TextCD-R (Conforming to “Orange Book Part 2”: read & write)CD-RW (Conforming to “Orange Book Part 3”: read & write)	
Loading mechanism	Drawer (Solenoid Open) Tact SW (Open) Emergency Release (draw open hole)	
Power Requirement		
Input Voltage	DC 5 V +/- 5%	

Audio Interface

Item	Specification
Audio Controller	Realtek Audio Codec ALC888S
Audio onboard or optional	Onboard
Mono or Stereo	Stereo
Resolution	True 5.1 audio output & Dolby surround (2nd generation)
Compatibility	Headphone-out/SPDIF-out
Sampling Rate	
Internal Microphone	Yes
Internal Speaker / Quantity	Yes/2 x 2 Watt speaker/15cc chamber/speaker size 18 phi

System Board Major Chips

Item	Controller
Core logic	nVidia MCP79MX
LAN	Broadcom 5764
WLAN	Atheros AR5B91
Audio Codec	Realtek Audio Codec ALC888S
Keyboard	LPC interface

Keyboard

Item	Specification
Keyboard controller	LPC interface
Total number of keypads	105/106
Windows logo key	Yes
Internal & external keyboard work simultaneously	Plug USB keyboard to the USB port directly: Yes

Battery

Item	Specification
Vendor & model name	SANYO/SONY
Battery Type	Li-ion
Pack capacity	4400 mAh
Number of battery cell	6
Package configuration	3S2P

LCD 15.6" HD

Item	Specification
Vendor/model name	AUO B156XW01-V0
Screen Diagonal (mm)	391 mm
Display resolution (pixels)	1280 x 800 WXGA
Pixel Pitch	0.204 x 0.204
Pixel Arrangement	R.G.B. Vertical Stripe
Display Mode	Normally White
Typical White Luminance (cd/m ²) also called Brightness	220
Luminance Uniformity	1.25 max.
Contrast Ratio	400 typical
Response Time (Optical Rise Time/Fall Time) msec	8
Nominal Input Voltage VDD	+3.3V
Viewing Angle (degree) Horizontal: Right/Left Vertical: Upper/Lower	45/45 15/35
Temperature Range (°C) Operating Storage (shipping)	0 to +50 -40 to +60

System Utilities

BIOS Setup Utility

The BIOS Setup Utility is a hardware configuration program built into your computer's BIOS (Basic Input/Output System).

Your computer is already properly configured and optimized, and you do not need to run this utility. However, if you encounter configuration problems, you may need to run Setup. Please also refer to Chapter 4 Troubleshooting when problem arises.

To activate the BIOS Utility, press **F2** during POST (when "Press <F2> to enter Setup" message is prompted on the bottom of screen).

Press **F2** to enter setup. The default parameter of F12 Boot Menu is set to "disabled". If you want to change boot device without entering BIOS Setup Utility, please set the parameter to "enabled".

Press <F12> during POST to enter multi-boot menu. In this menu, user can change boot device without entering BIOS SETUP Utility.

Navigating the BIOS Utility

There are six menu options: Information, Main, Advanced, Security, Boot, and Exit.

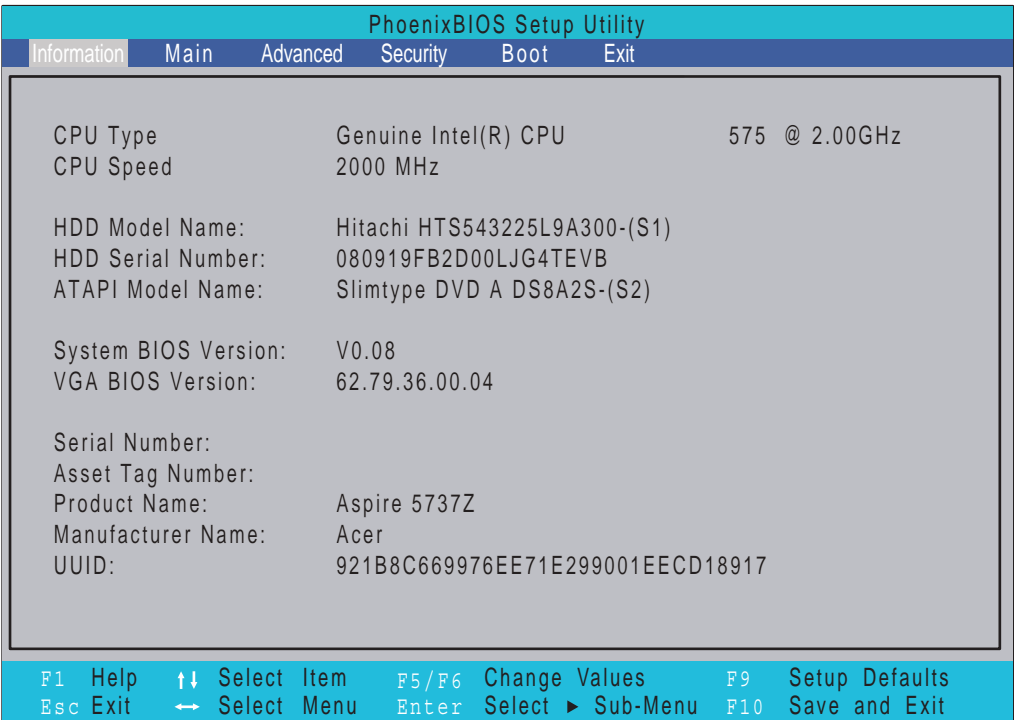
Follow these instructions:

- To choose a menu, use the left and right arrow keys.
- To choose an item, use the up and down arrow keys.
- To change the value of a parameter, press **F5** or **F6**.
- A plus sign (+) indicates the item has sub-items. Press **Enter** to expand this item.
- Press **Esc** while you are in any of the menu options to go to the Exit menu.
- In any menu, you can load default settings by pressing **F9**. You can also press **F10** to save any changes made and exit the BIOS Setup Utility.

NOTE: You can change the value of a parameter if it is enclosed in square brackets. Navigation keys for a particular menu are shown on the bottom of the screen. Help for parameters are found in the Item Specific Help part of the screen. Read this carefully when making changes to parameter values. **Please note that system information is subject to different models.**

Information

The Information screen displays a summary of your computer hardware information.

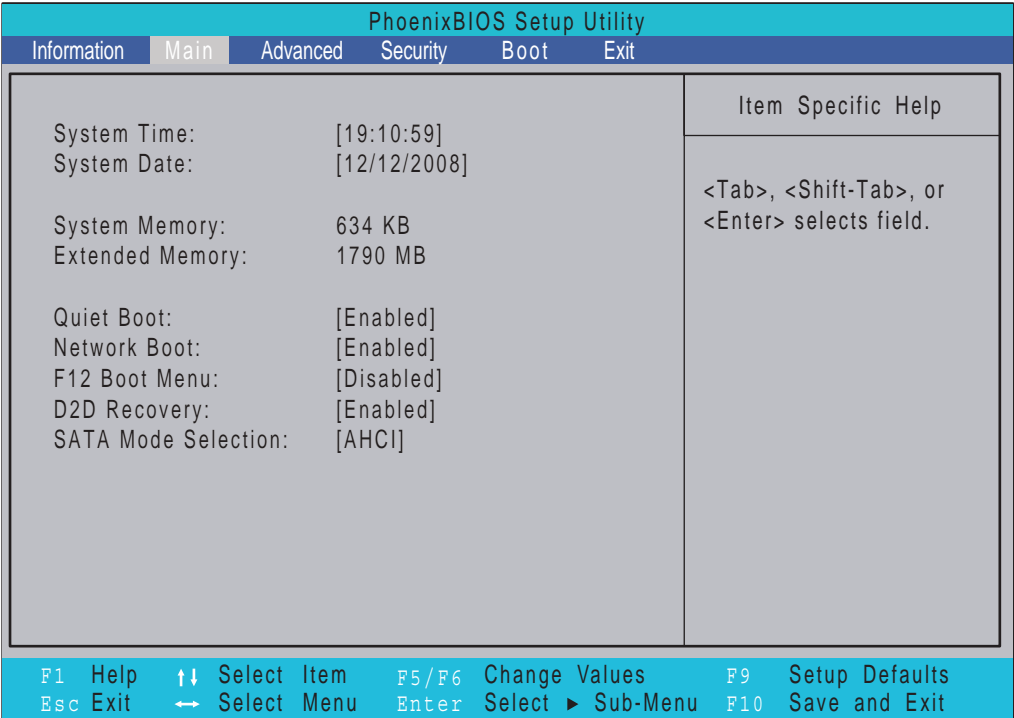


NOTE: The system information is subject to different models.

Parameter	Description
CPU Type	This field shows the CPU type and speed of the system.
CPU Speed	This field shows the speed of the CPU.
HDD Model Name	This field shows the model name of HDD installed on primary IDE master.
HDD Serial Number	This field displays the serial number of HDD installed on primary IDE master.
ATAPI Model Name	This field shows the model name of the Optical device installed in the system.
System BIOS Version	Displays system BIOS version.
VGA BIOS Version	This field displays the VGA firmware version of the system.
Serial Number	This field displays the serial number of this unit.
Asset Tag Number	This field displays the asset tag number of the system.
Product Name	This field shows product name of the system.
Manufacturer Name	This field displays the manufacturer of this system.
UUID Number	Universally Unique Identifier (UUID) is an identifier standard used in software construction, standardized by the Open Software Foundation (OSF) as part of the Distributed Computing Environment (DCE).

Main

The Main screen allows the user to set the system time and date as well as enable and disable boot option and recovery.



NOTE: The screen above is for your reference only. Actual values may differ.

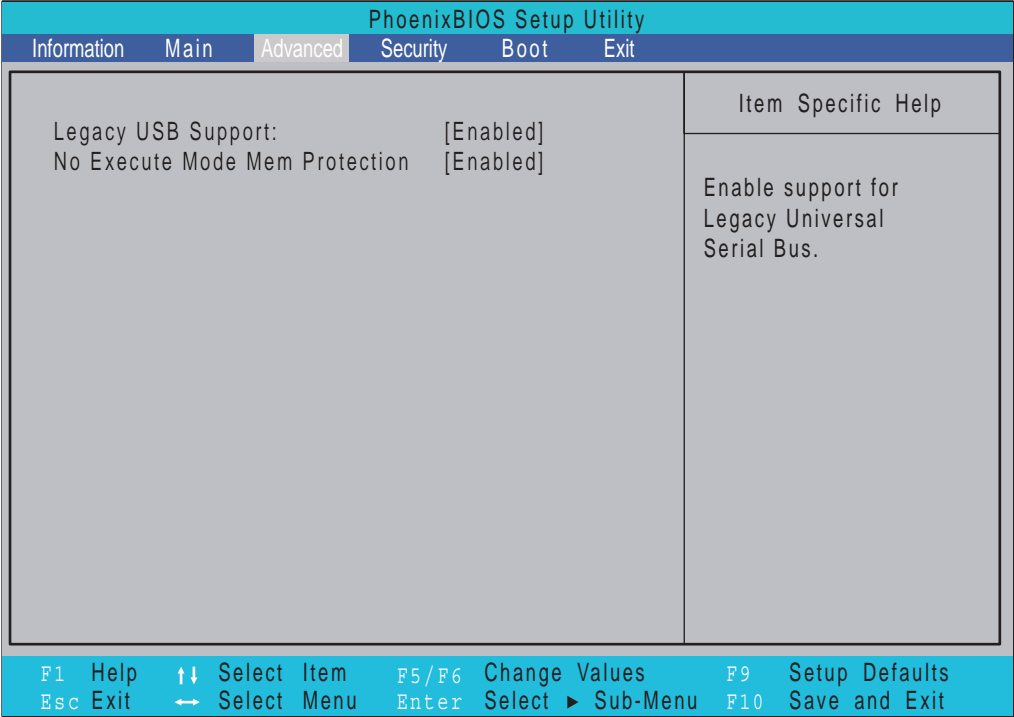
The table below describes the parameters in this screen. Settings in **boldface** are the default and suggested parameter settings.

Parameter	Description	Format/Option
System Time	Sets the system time. The hours are displayed with 24-hour format.	Format: HH:MM:SS (hour:minute:second)
System Date	Sets the system date.	Format MM/DD/YYYY (month/day/year)
System Memory	This field reports the memory size of the system. Memory size is fixed to 634 KB.	N/A
Extended Memory	This field reports the memory size of the system. Memory size is fixed to 1790 MB.	N/A
Quiet Boot	Displays the logo screen while booting.	Option: Enabled or Disabled
Network Boot	Enables, disables the system boot from LAN (remote server).	Option: Enabled or Disabled
F12 Boot Menu	Enable the Press <F12> to display Boot Menu message during boot.	Option: Enabled or Disabled
D2D Recovery	Enables, disables D2D Recovery function. The function allows the user to create a hidden partition on hard disc drive to store operation system and restore the system to factory defaults.	Option: Enabled or Disabled
SATA Mode Selection	Control the mode in which the SATA controller should operate.	Option: AHCI or IDE

Advanced

The Advanced screen allows the user to configure the various advanced BIOS options.

IMPORTANT: Making incorrect settings to items on these pages may cause the system to malfunction. Unless you have experience adjusting these items, we recommend that you leave these settings at the default values. If making settings to items on these pages causes your system to malfunction or prevents the system from booting, open BIOS and choose Load Optimal Defaults in the Exit menu to boot up normally.

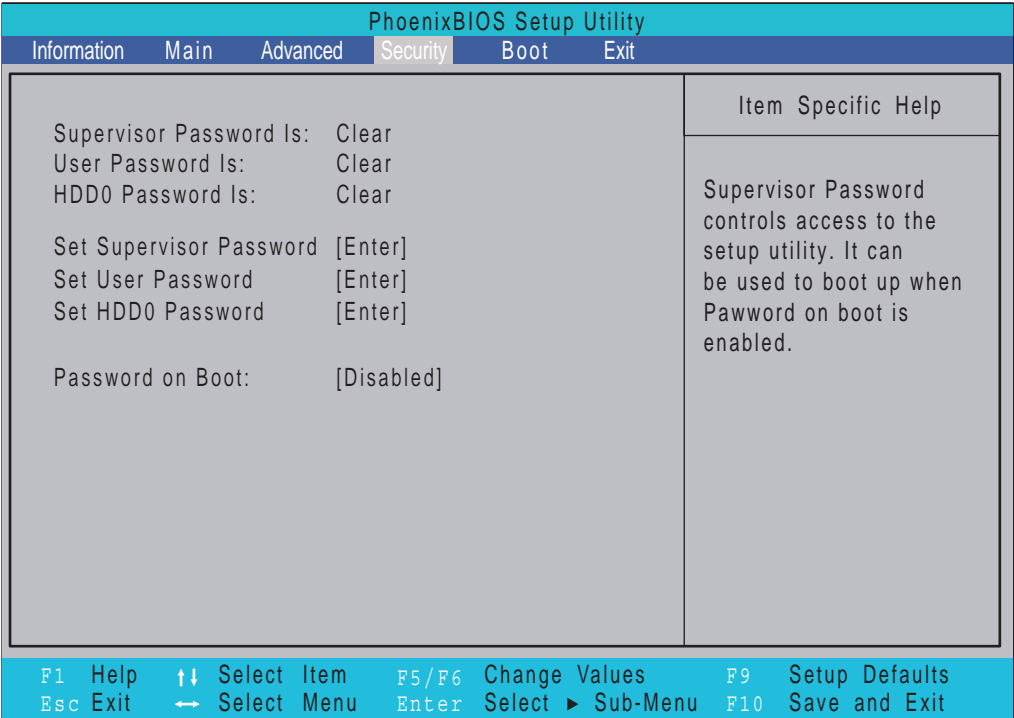


The table below describes the items, menus, and submenus in this screen. Settings in **boldface** are the default and suggested parameter settings.

Parameter	Description	Submenu Items
Legacy USB Support	Enable support for Legacy Universal Serial Bus.	Option: Enabled or Disabled
No Execute Mode Mem Protection	Enable Execute Mode memory protection.	Option: Enabled or Disabled

Security

The Security screen contains parameters that help safeguard and protect your computer from unauthorized use.



The table below describes the parameters in this screen. Settings in **boldface** are the default and suggested parameter settings.

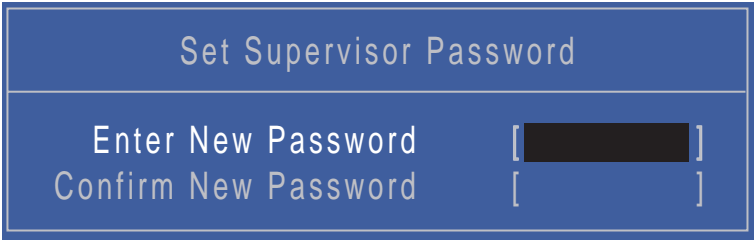
Parameter	Description	Option
Supervisor Password Is	Shows the setting of the Supervisor password	Clear or Set
User Password Is	Shows the setting of the user password.	Clear or Set
HDD 0 Password Is	Shows the setting of the hard disk password.	Clear or Set
Set Supervisor Password	Press Enter to set the supervisor password. When set, this password protects the BIOS Setup Utility from unauthorized access. The user can not either enter the Setup menu nor change the value of parameters.	N/A
Set User Password	Press Enter to set the user password. When user password is set, this password protects the BIOS Setup Utility from unauthorized access. The user can enter Setup menu only and does not have right to change the value of parameters.	N/A
Set HDD 0 Password	Enter HDD 0 Password.	N/A
Password on Boot	Defines whether a password is required or not while the events defined in this group happened. The following sub-options are all requires the Supervisor password for changes and should be grayed out if the user password was used to enter setup.	Disabled or Enabled

NOTE: When you are prompted to enter a password, you have three tries before the system halts. Don't forget your password. If you forget your password, you may have to return your notebook computer to your dealer to reset it.

Setting a Password

Follow these steps as you set the user or the supervisor password:

1. Use the ↑ and ↓ keys to highlight the Set Supervisor Password parameter and press the **Enter** key. The Set Supervisor Password box appears:

A blue rectangular dialog box titled "Set Supervisor Password". It contains two input fields: "Enter New Password" and "Confirm New Password". Each field is followed by a pair of square brackets [] representing a cursor. The first field's brackets contain a solid black rectangle, indicating that text has been entered but is hidden.

2. Type a password in the “Enter New Password” field. The password length can not exceeds 8 alphanumeric characters (A-Z, a-z, 0-9, not case sensitive). Retype the password in the “Confirm New Password” field.

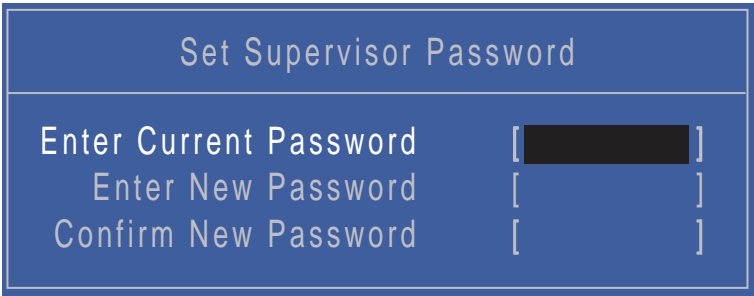
IMPORTANT:Be very careful when typing your password because the characters do not appear on the screen.

3. Press **Enter**. After setting the password, the computer sets the User Password parameter to “Set”.
4. If desired, you can opt to enable the Password on boot parameter.
5. When you are done, press F10 to save the changes and exit the BIOS Setup Utility.

Removing a Password

Follow these steps:

1. Use the ↑ and ↓ keys to highlight the Set Supervisor Password parameter and press the **Enter** key. The Set Password box appears:

A blue rectangular dialog box titled "Set Password". It contains three input fields: "Enter Current Password", "Enter New Password", and "Confirm New Password". Each field is followed by a pair of square brackets [] representing a cursor. The first field's brackets contain a solid black rectangle, indicating that text has been entered but is hidden.

2. Type the current password in the Enter Current Password field and press **Enter**.
3. Press **Enter** twice **without** typing anything in the Enter New Password and Confirm New Password fields. The computer then sets the Supervisor Password parameter to “Clear”.
4. When you have changed the settings, press u to save the changes and exit the BIOS Setup Utility.

Changing a Password

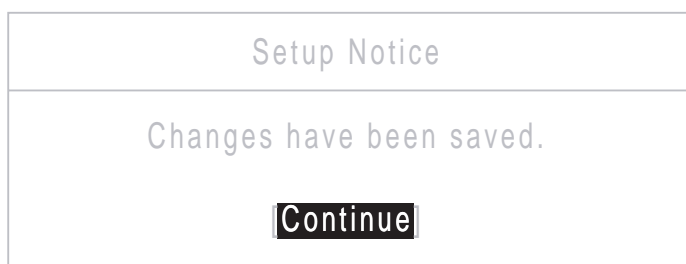
1. Use the ↑ and ↓ keys to highlight the Set Supervisor Password parameter and press the **Enter** key. The Set Password box appears.



The image shows a BIOS screen titled "Set Supervisor Password". It contains three input fields, each preceded by a label and followed by a bracketed cursor: "Enter Current Password", "Enter New Password", and "Confirm New Password". The first field is filled with black characters, while the others are empty.

2. Type the current password in the Enter Current Password field and press **Enter**.
3. Type a password in the Enter New Password field. Retype the password in the Confirm New Password field.
4. Press **Enter**. After setting the password, the computer sets the User Password parameter to "Set".
5. If desired, you can enable the Password on boot parameter.
6. When you are done, press F10 to save the changes and exit the BIOS Setup Utility.

If the verification is OK, the screen will display as following.



The image shows a BIOS screen titled "Setup Notice". Below the title, it says "Changes have been saved." and at the bottom, there is a "Continue" button with a cursor on it.

The password setting is complete after the user presses **Enter**.

If the current password entered does not match the actual current password, the screen will show you the Setup Warning.



The image shows a BIOS screen titled "Setup Warning". Below the title, it says "Invalid Password." and at the bottom, there is a "Continue" button with a cursor on it.

If the new password and confirm new password strings do not match, the screen will display the following message.



The image shows a BIOS screen titled "Setup Warning". Below the title, it says "Passwords do not match. Re-enter password." and at the bottom, there is a "Continue" button with a cursor on it.

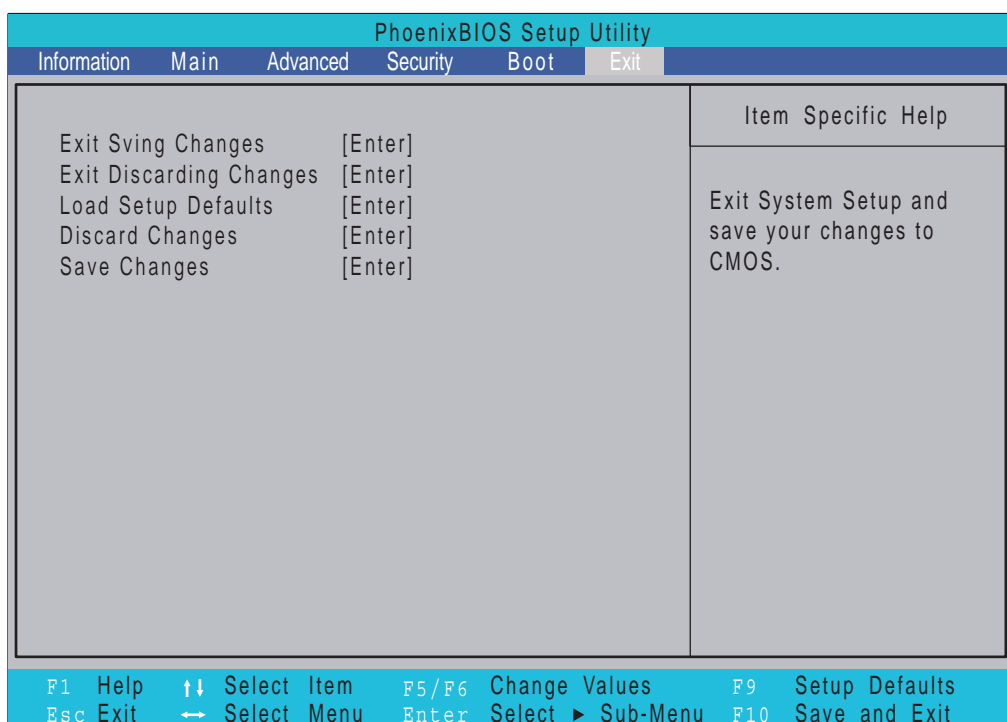
Boot

This menu allows the user to decide the order of boot devices to load the operating system. Bootable devices includes the USB diskette drives, the onboard hard disk drive and the DVD drive in the module bay.

PhoenixBIOS Setup Utility					
Information	Main	Advanced	Security	Boot	Exit
Boot priority order: 1: IDE0: Hitachi HTS543235L9A300-(S 2: CD/DVD: Slimtype DVD A DS8A2S-(S2 3: Network boot: MBA v11.0.14 Slot 0B00 4: USB FDD: 5: USB HDD: 6: USB KEY: 7: USB CD/DVD ROM:				Item Specific Help	
				Use <↑> or <↓> to select a device, then press <F6> to move it up the List, or <F5> to move it down the list. Press <Esc> to escape the menu.	
F1 Help	↑↓ Select Item	F5/F6 Change Values	F9 Setup Defaults		
Esc Exit	←→ Select Menu	Enter Select ► Sub-Menu	F10 Save and Exit		

Exit

The Exit screen allows you to save or discard any changes you made and quit the BIOS Utility.



The table below describes the parameters in this screen.

Parameter	Description
Exit Saving Changes	Exit System Setup and save your changes to CMOS.
Exit Discarding Changes	Exit utility without saving setup data to CMOS.
Load Setup Default	Load default values for all SETUP item.
Discard Changes	Load previous values from CMOS for all SETUP items.
Save Changes	Save Setup Data to CMOS.

BIOS Flash Utilities

The BIOS flash memory update is required for the following conditions:

- New versions of system programs
- New features or options
- Restore a BIOS when it becomes corrupted.

Use the Phlash utility to update the system BIOS flash ROM.

NOTE: If you do not have a crisis recovery diskette at hand, then you should create a **Crisis Recovery Diskette** before you use the Phlash utility.

NOTE: Do not install memory-related drivers (XMS, EMS, DPMI) when you use the Phlash.

NOTE: Please use the AC adaptor power supply when you run the Phlash utility. If the battery pack does not contain enough power to finish BIOS flash, you may not boot the system because the BIOS is not completely loaded.

Follow the steps below to run the Phlash.

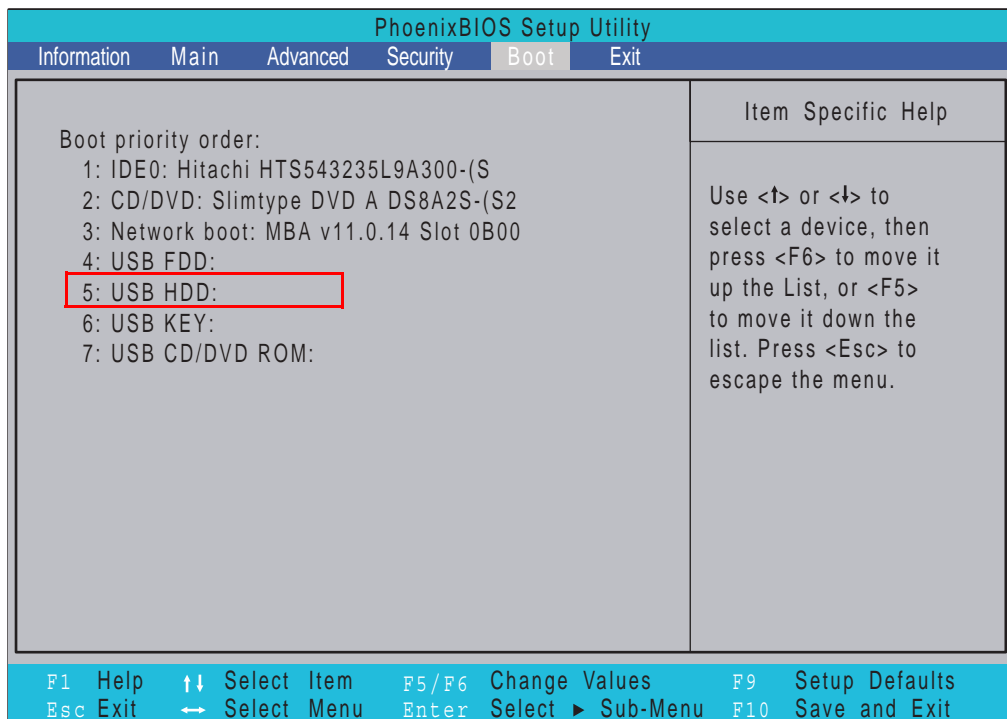
1. Prepare a bootable diskette.
2. Copy the flash utilities to the bootable diskette.
3. Then boot the system from the bootable diskette. The flash utility has auto-execution function.

DOS Flash Utility

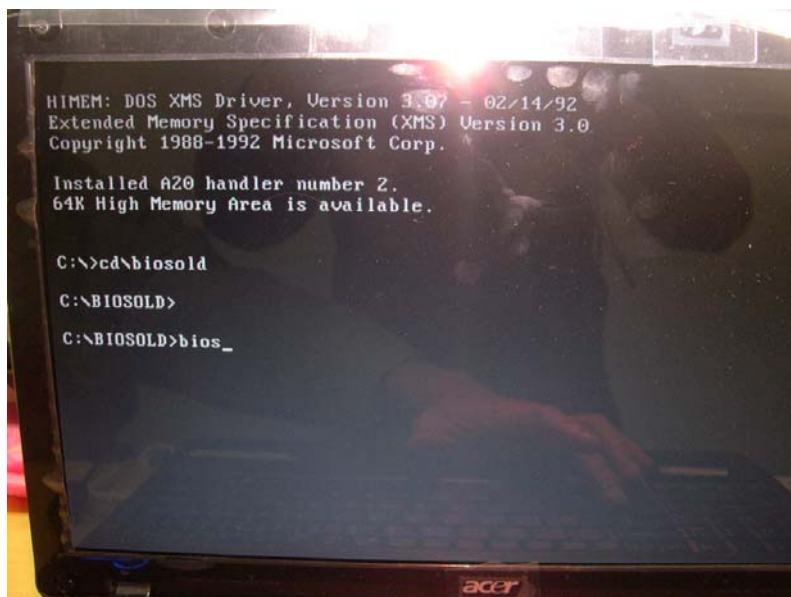
Perform the following steps to use the DOS Flash Utility:

IMPORTANT: Use USB KEY, USB HDD, DVD-RW, and HDDs that can boot to DOS mode.

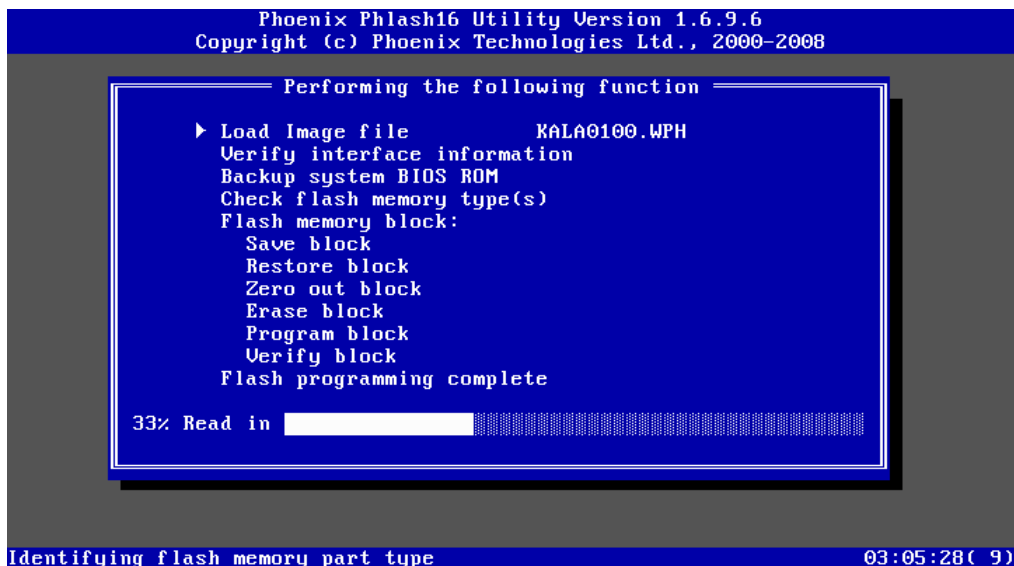
1. Press **F2** during boot to enter the Setup Menu.
2. Select **Boot Menu** to modify the boot priority order, for example, if using USB HDD to Update BIOS, move USB HDD to position 1.



3. Execute the **BIOS.BAT** batch file to update BIOS.



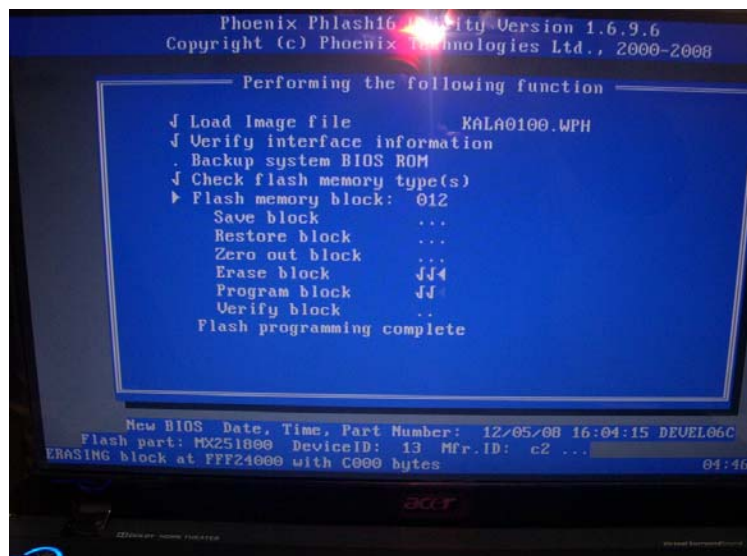
The Flash Image update begins as shown.



4. In flash BIOS, the message **Please do not remove AC Power Source** displays.



Flash is complete when the message Flash programming complete displays.

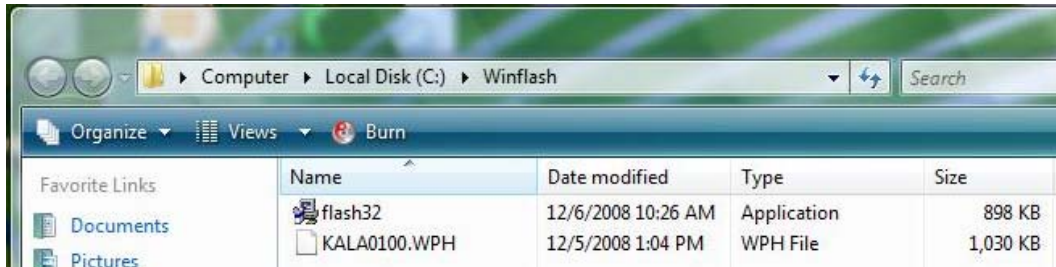


WinFlash Utility

IMPORTANT:Based on BIOS V1.00 to release WinFlash32.zip and WinFlash64.zip. WinFlash32.zip package for X86 system and WinFlash64.zip package for X64 system.

IMPORTANT:Ensure only one *.wph file is present in the destination directory when using flash32.exe. If more than one file is present the computer will blue screen.

1. Unzip the WinFlash32.zip and WinFlash64.zip file and save as follows:

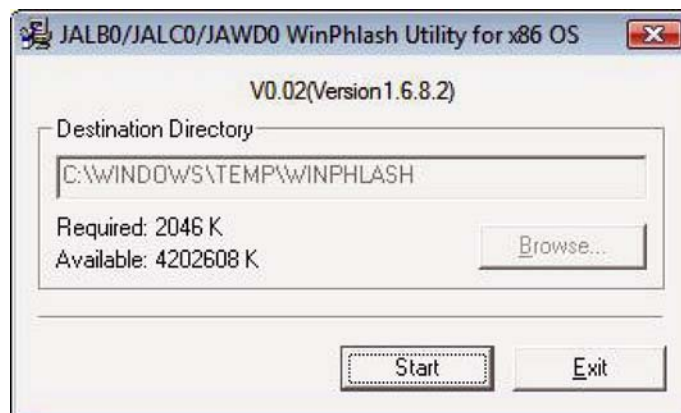


KALA0100.WPH→ BIOS rom

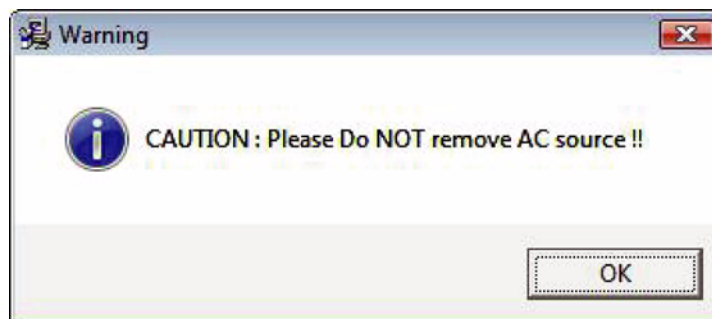
WinPhlash32.EXE→ BIOS windows flash tool

2. Double click the WinFlash executable.

The Destination Directory screen displays.



3. Click **Start**. A warning screen displays.

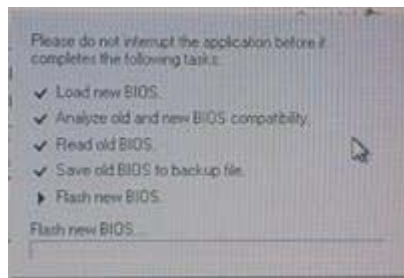


4. Click **OK** to begin the update.

A progress screen displays.



5. Click Flash BIOS to begin. Progress is displayed on screen.



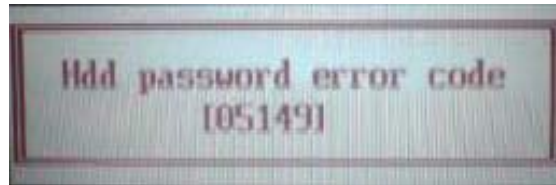
6. When the process is complete, the system reboots automatically.

Remove HDD/BIOS Password Utilities

This section provide you with removing HDD/BIOS password method:

Remove HDD Password:

If you key in the wrong HDD password three time, **HDD password error code** displays on the screen.



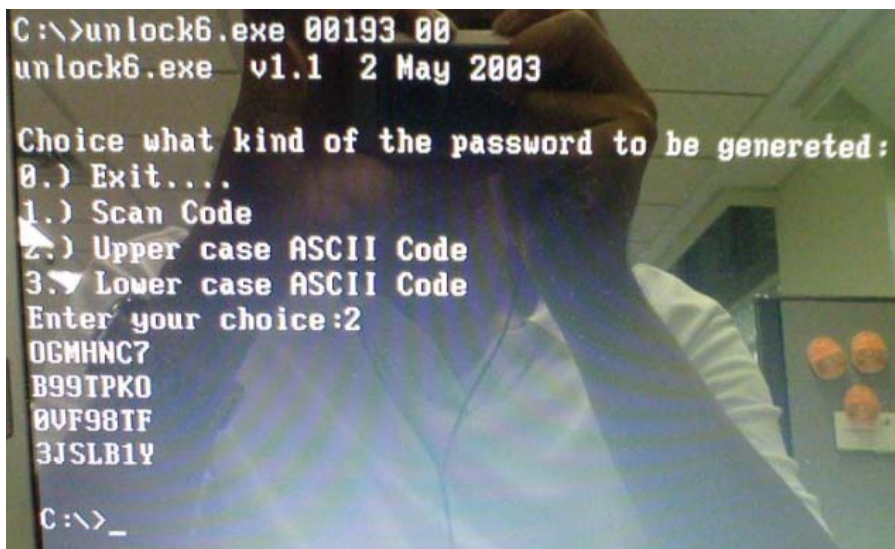
NOTE: Record the code in [] for use during unlocking.

To reset the HDD password, perform the following steps:

1. From a DOS prompt, key in **Unlock6.exe 05149** and press **<Enter>**.

The **Unlock6** program runs.

2. Select option 2, Upper case ASCII Code, and press **<Enter>**.

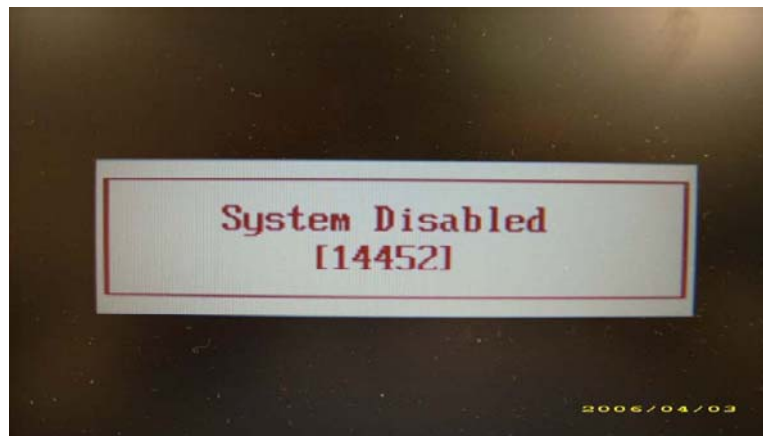


3. Make a note of one of the displayed passwords, for example B99TPK0, as shown.
4. Power off the system by holding down the power button for >4 seconds.
5. Reboot the system and key in the chosen password to unlock the HDD.



Removing BIOS Passwords:

If you key in the wrong Supervisor Password three times, System Disabled displays on the screen. See the image below.



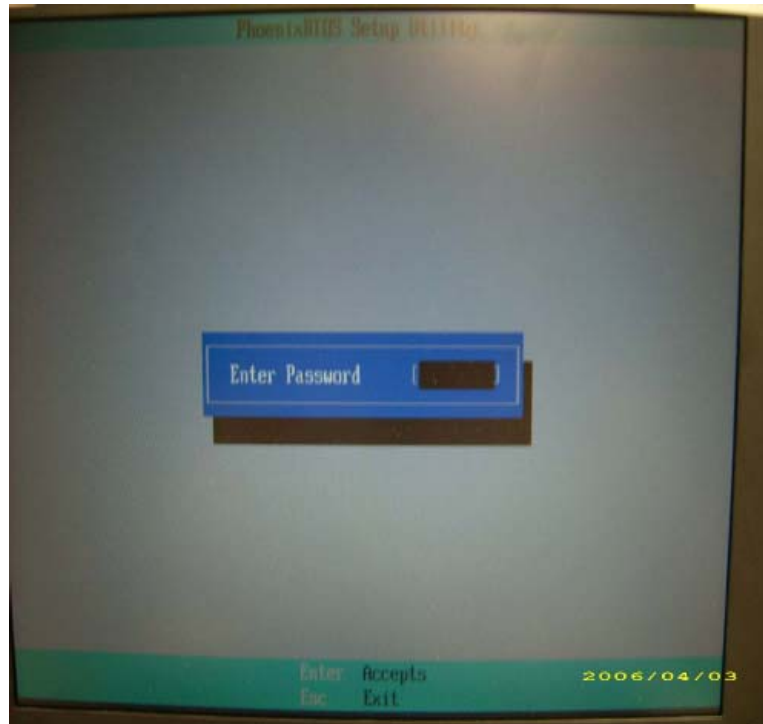
To reset the BIOS password, run BIOS_PW.EXE as follows:

1. Key in **bios_pw 14452 0**
2. Select one string from the list.

```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows XP [Version 5.1.2600]
Copyright 1985-2001 Microsoft Corp.

C:\Documents and Settings\M54>d:
D:\>bios_pw 14452 0 1.
unlock6.exe v1.0 1 July 1997
qj1g9v0q
07ygmjd
cjl14tm
6mbzjaaj 2.
D:\>_
```

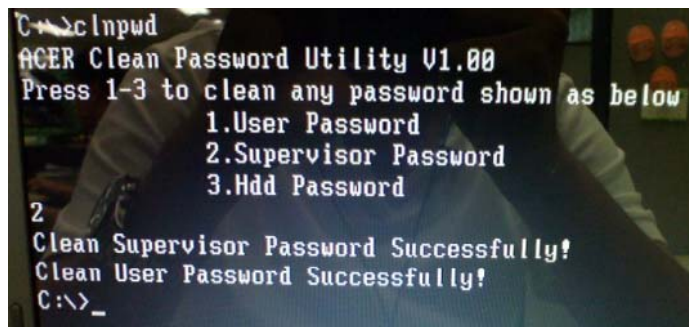

3. Reboot the system and key in the selected string (qjjg9vy, 07yqmqd etc.) for the BIOS user password.



Cleaning BIOS Passwords

To clear the password, perform the following steps:

1. From a DOS prompt, Execute **clnpwd.exe**



2. Press 1, 2, or 3 to clean the desired password shown on the screen.
The onscreen message determines whether the function is successful or not.

Using DMITools

The DMI (Desktop Management Interface) Tool copies BIOS information to eeprom to be used in the DMI pool for hardware management.

When the BIOS displays **Verifying DMI pool data** it is checking the table correlates with the hardware before sending to the operating system (Windows, etc.).

To update the DMI Pool, perform the following steps:

1. Boot into DOS.
2. Execute **dmitools**. The following messages report to screen to confirm completion:
 - `dmitools /r ==>` Read dmi string from bios
 - `dmitools /wm xxxx ==>` Write manufacturer name to eeprom
 - `dmitools /wp xxxx ==>` Write product name to eeprom
 - `dmitools /ws xxxx ==>` Write serial number to eeprom
 - `dmitools /wu xxxx ==>` Write uuid to eeprom
 - `dmitools /wa xxxx ==>` Write asset tag to eeprom

Using the ICW50/ICY70 LAN MAC Utility

1. Boot into DOS.
2. Execute **go.bat**

Machine Disassembly and Replacement

IMPORTANT: The outside housing and color may vary from the mass produced model.

This chapter contains step-by-step procedures on how to disassemble the notebook computer for maintenance and troubleshooting.

Disassembly Requirements

To disassemble the computer, you need the following tools:

- Wrist grounding strap and conductive mat for preventing electrostatic discharge
- Flat screwdriver
- Philips screwdriver
- Plastic flat screwdriver
- Plastic tweezers

NOTE: The screws for the different components vary in size. During the disassembly process, group the screws with the corresponding components to avoid mismatch when putting back the components.

IMPORTANT: Various images depict the use of a regular metal screwdriver, however, a plastic screwdriver is advised when disassembling parts near or around the motherboard and to prevent scratching of the computer surface.

General Information

Pre-disassembly Instructions

Before proceeding with the disassembly procedure, make sure that you do the following:

1. Turn off the power to the system and all peripherals.
2. Unplug the AC adapter and all power and signal cables from the system.



3. Place the system on a flat, stable surface.
4. Remove the battery pack.

Disassembly Process

The disassembly process is divided into the following stages:

- External module disassembly
- Main unit disassembly
- LCD module disassembly

The flowcharts provided in the succeeding disassembly sections illustrate the entire disassembly sequence. Observe the order of the sequence to avoid damage to any of the hardware components. For example, if you want to remove the main board, you must first remove the keyboard, then disassemble the inside assembly frame in that order.

Main Screw List

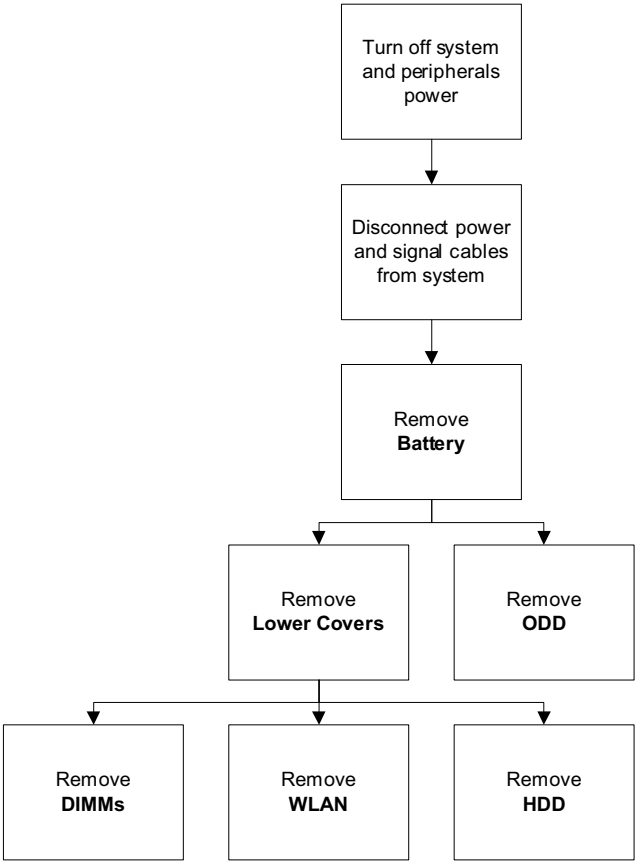
Screw	Quantity	Part Number
SCREW M3*3	4	86.AZ802.001
SCREW M2*3	12	86.AZ802.002
SCREW M2.5*6	24	86.AZ802.003
SCREW M2.5*3	7	86.AZ802.006
SCREW M2.5*8	14	86.AZ802.007

External Module Disassembly Process

IMPORTANT:The outside housing and color may vary from the mass produced model.

External Modules Disassembly Flowchart

The flowchart below gives you a graphic representation on the entire disassembly sequence and instructs you on the components that need to be removed during servicing. For example, if you want to remove the main board, you must first remove the keyboard, then disassemble the inside assembly frame in that order.

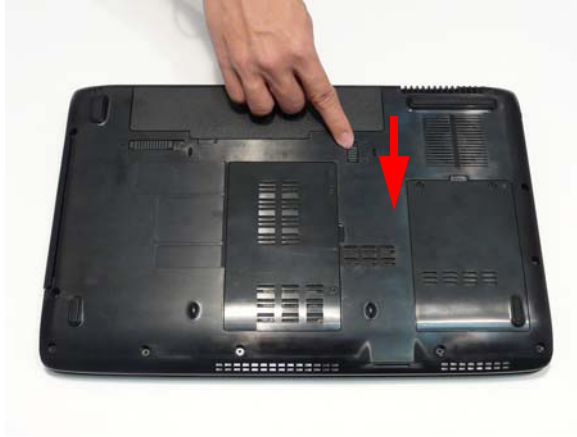


Screw List

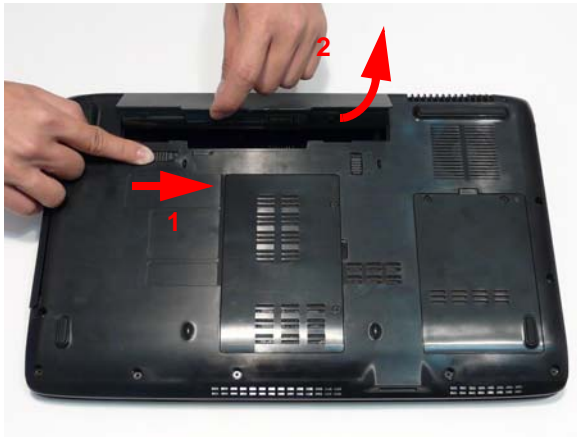
Step	Screw	Quantity	Part No.
ODD Module	M2.5*8	1	86.AZ802.007
	M2*3	2	86.AZ802.002
HDD Carrier	M3*3	4	86.AZ802.001
WLAN Module	M2.5*3	1	86.AZ802.006

Removing the Battery Pack

1. Turn the computer over.
2. Slide the battery lock to the unlocked position.



3. Slide and hold the battery release latch to the release position (1), then lift out the battery pack from the main unit (2).



Removing the SD Dummy Card

1. Push the SD dummy card all the way in to eject it.



2. Pull the card out from the slot.



Removing the Lower Covers

1. See "Removing the Battery Pack" on page 44.
2. Loosen the four captive screws from the Memory and HDD covers.



3. Carefully open the Memory cover.




4. Remove the HDD cover as shown.



Removing the Optical Drive Module

1. See “Removing the Battery Pack” on page 44.
2. Remove the screw securing the ODD module.




Step	Size	Quantity	Screw Type
ODD Module	M2.5*8	1	

3. Pull the ODD module out of the chassis.

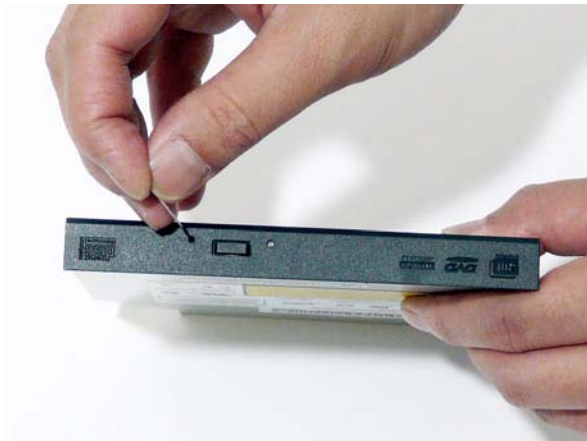


4. Remove the three screws securing the ODD bracket and remove the ODD bracket from the optical disk drive module.

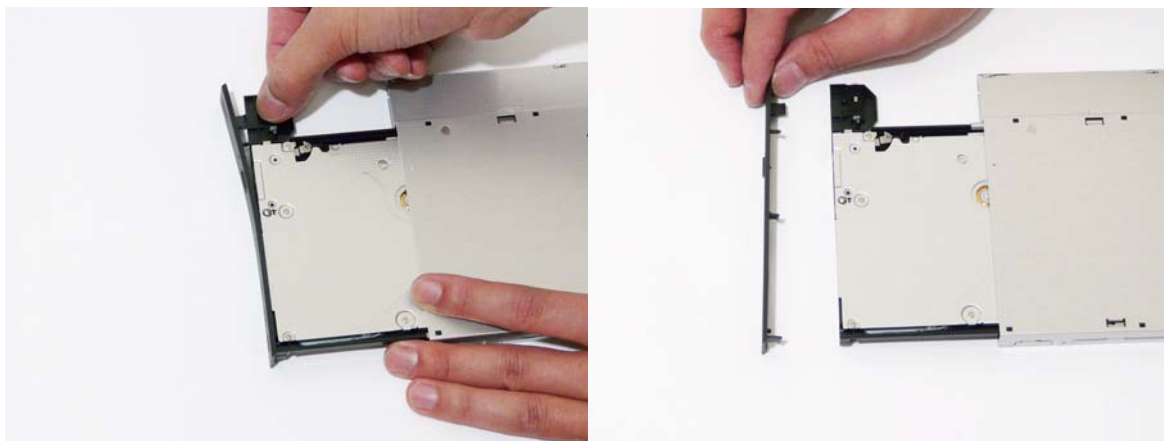


Step	Size	Quantity	Screw Type
ODD Bracket	M2*3	2	

5. Insert a pin in the eject hole of the ODD to eject the ODD tray.



-
6. Press down on the locking catch to release the ODD cover and remove.



Removing the Hard Disk Drive Module

1. See “Removing the Battery Pack” on page 44.
2. Remove the HDD cover,
3. Use the pull-tab to disconnect the HDD from the interface connector.

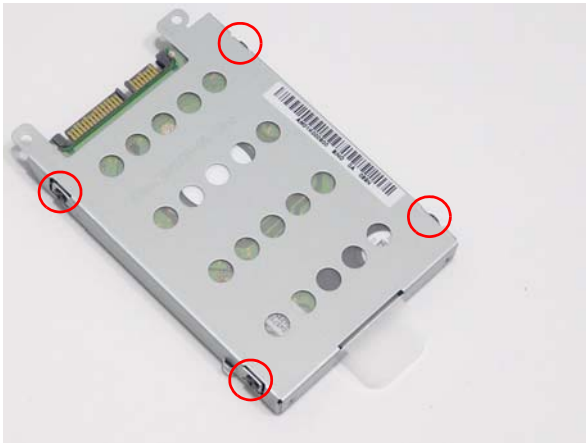



4. Lift the hard disk drive module out of the bay.



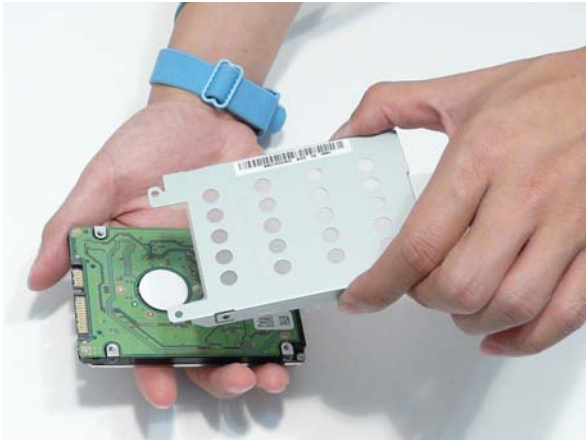
NOTE: To prevent damage to device, avoid pressing down on it or placing heavy objects on top of it.

5. Remove the four screws securing the hard disk to the carrier in reverse numerical order, from 4 to 1.



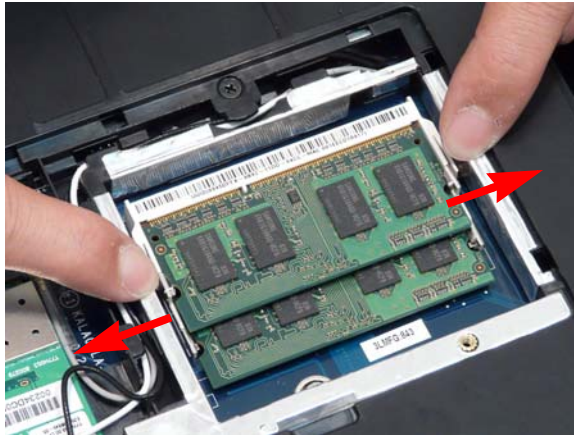
Step	Size	Quantity	Screw Type
HDD Carrier	M3*3	4	

6. Remove the HDD from the carrier.



Removing the DIMM Modules

1. See “Removing the Battery Pack” on page 44.
2. Remove the Memory Module cover See “Removing the Lower Covers” on page 46.
3. Push out the release latches on both sides of the DIMM socket to release the DIMM module.



4. Remove the DIMM module.



5. Repeat steps for the second DIMM module if present.

Removing the WLAN Module


- 1. See “Removing the Battery Pack” on page 44.
- 2. Remove the Memory cover. See “Removing the Lower Covers” on page 46.
- 3. Disconnect the antenna cables from the WLAN board.

IMPORTANT:The black cable attaches to the J3 terminal and the white cable attaches to the J2 terminal. The gray cable is not used on this model. Ensure it is tucked securely within the chassis to avoid trapping.

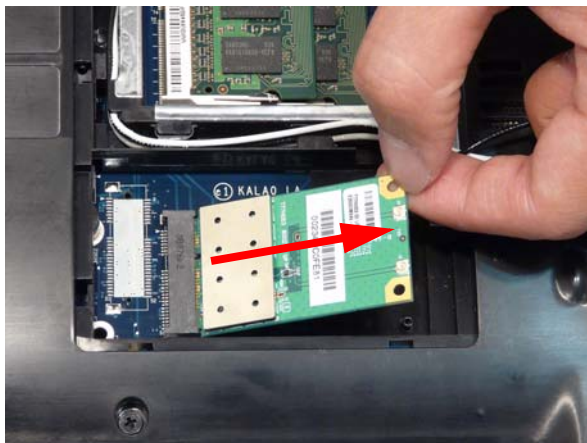


- 4. Move the antenna away and remove the single screw on the WLAN board.



Step	Size	Quantity	Screw Type
WLAN Module	M2.5*3	1	

-
5. Detach the WLAN board from the WLAN socket.



NOTE: When reattaching the antennas, ensure the cables are tucked into the chassis to prevent damage.

Main Unit Disassembly Process

Main Unit Disassembly Flowchart



Screw List

Step	Screw	Quantity	Part No.
Switch Cover	M2.5*3	1	86.AZ802.006
Function Board	M2.5*3	1	86.AZ802.006
LCD Module	M2.5*8	4	86.AZ802.007
	M2.5*6	2	86.AZ802.003
Upper Cover	M2.5*8	9	86.AZ802.007
	M2.5*6	10	86.AZ802.003
	M2.5*3	2	86.AZ802.006
TouchPad Bracket	M2*3	2	86.AZ802.002
Left Speaker Module	M2.5*3	2	86.AZ802.006
Right Speaker Module	M2.5*6	1	86.AZ802.003
USB Board	M2.5*6	1	86.AZ802.003
Mainboard	M2.5*6	3	86.AZ802.003
Thermal Module	CPU_SCREW_SPRIN	4	N/A


Removing the Switch Cover

CAUTION: Using tools to remove the Switch Cover may cause damage to the outer casing. It is recommended that you only use your fingers to remove the Switch Cover.

- 1. See “Removing the Battery Pack” on page 44.
- 2. Remove the single securing screw from the battery bay.

NOTE: The Switch Cover securing screw is not used on some production models.



Step	Size	Quantity	Screw Type
Switch Cover	M2.5*3	1	

- 3. Lift the Switch Cover from the right side first using the indent as shown.

NOTE: Use a plastic pry to lift the Switch Cover if necessary.



-
4. Work along the front edge of the Switch Cover, lifting gently away from the chassis.



5. Lift the Switch Cover clear of the chassis.

Removing the Keyboard

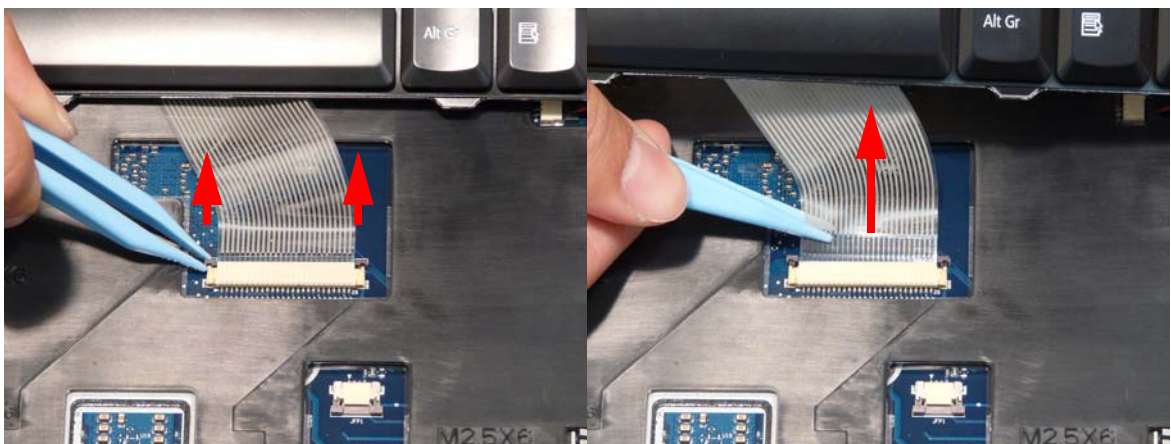
1. See "Removing the Switch Cover" on page 56.
2. Lift the keyboard as shown to clear the securing clips on the edges.



3. Move the keyboard toward the LCD screen to expose the FFC cable.



4. Open the cable retainer and disconnect the FFC cable from the mainboard.




5. Lift the keyboard clear of the chassis.

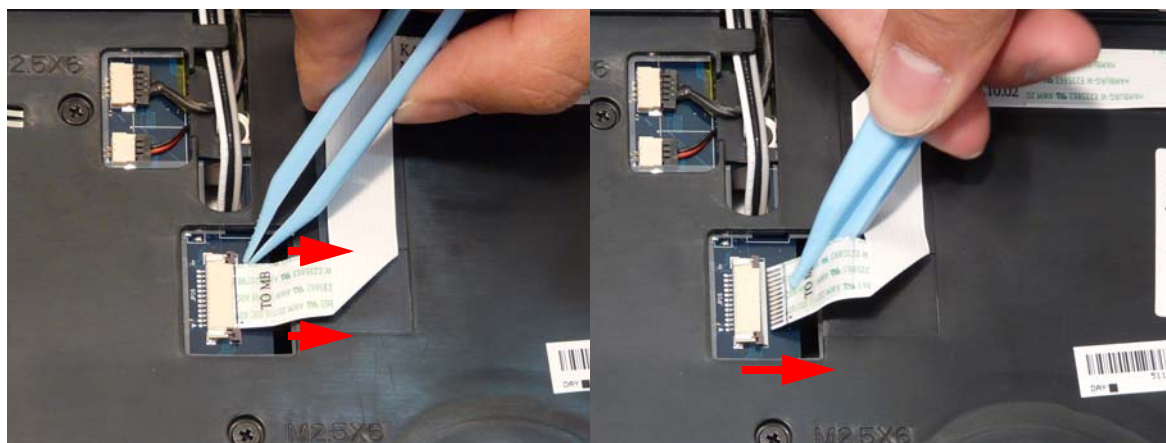
Removing the Function Board

1. See “Removing the Keyboard” on page 58.
2. Remove the single securing screw from the Function Board.

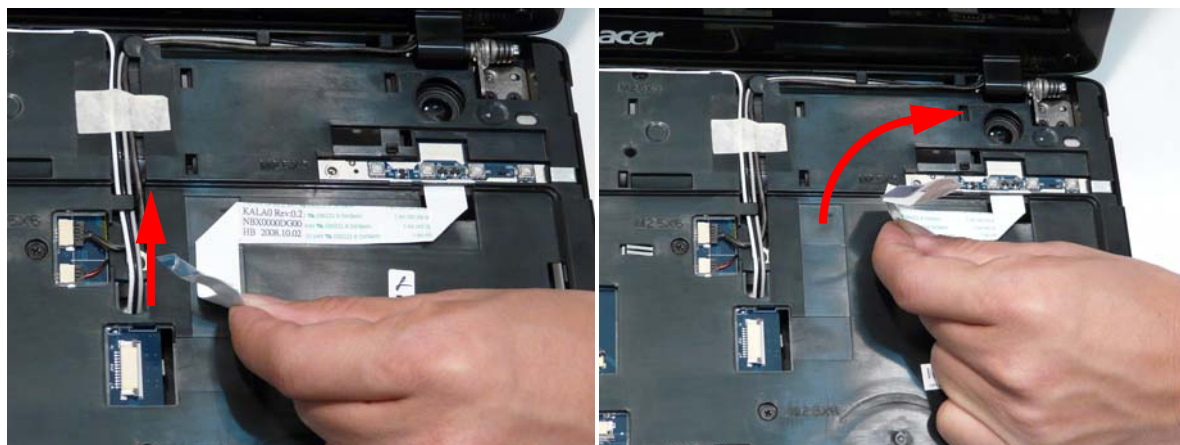


Step	Size	Quantity	Screw Type
Function Board	M2.5*3	1	

3. Open the cable retainer and disconnect the FFC cable from the mainboard.



4. Lift the FFC cable away from the chassis to disengage the adhesive strips.



-
5. Lift the Function Board using plastic tweezers and gently pry the rear edge out of the chassis.




6. Lift the Function Board clear of the chassis.



Removing the LCD Module

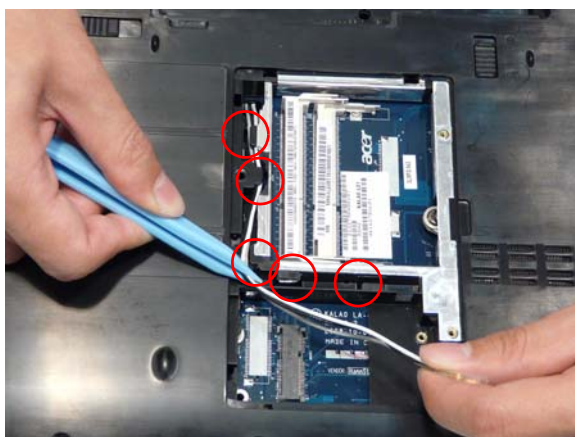
1. See “Removing the WLAN Module” on page 53.
2. See “Removing the Keyboard” on page 58.
3. Turn the computer over. Remove the two securing screws from the bottom of the chassis.



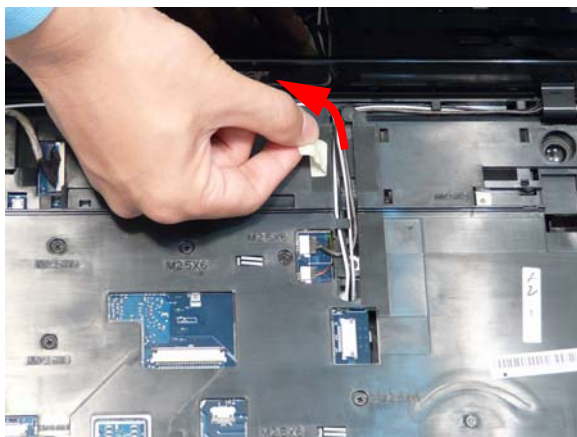
Step	Size	Quantity	Screw Type
LCD Module	M2.5*8	2	

4. Remove the Antenna Cables from the cable channel as shown.

IMPORTANT: Ensure that the cables are free of all cable clips.



-
5. Turn the computer over and remove the adhesive tape securing the cables in place.



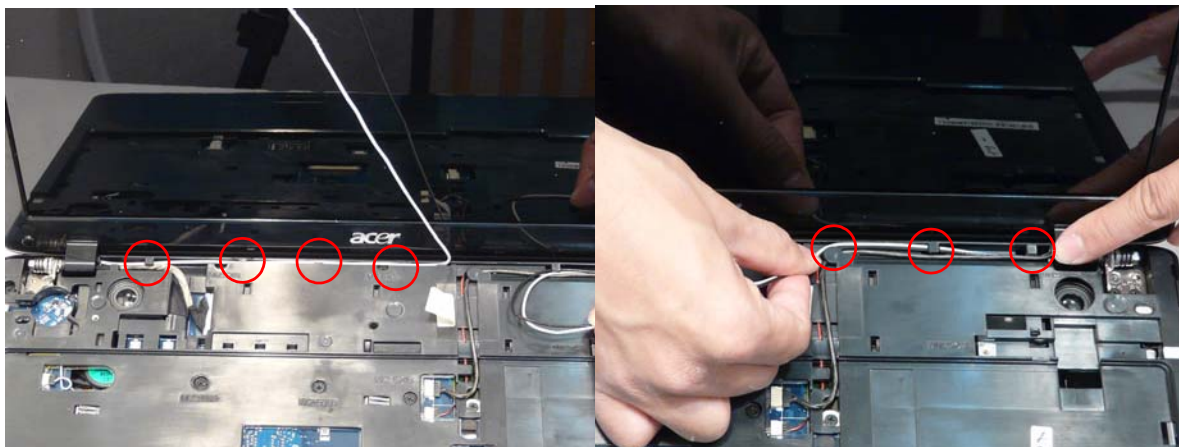
6. Remove the cables from the cable channel as shown.



7. Gently pull the cables through from the underside of the chassis.



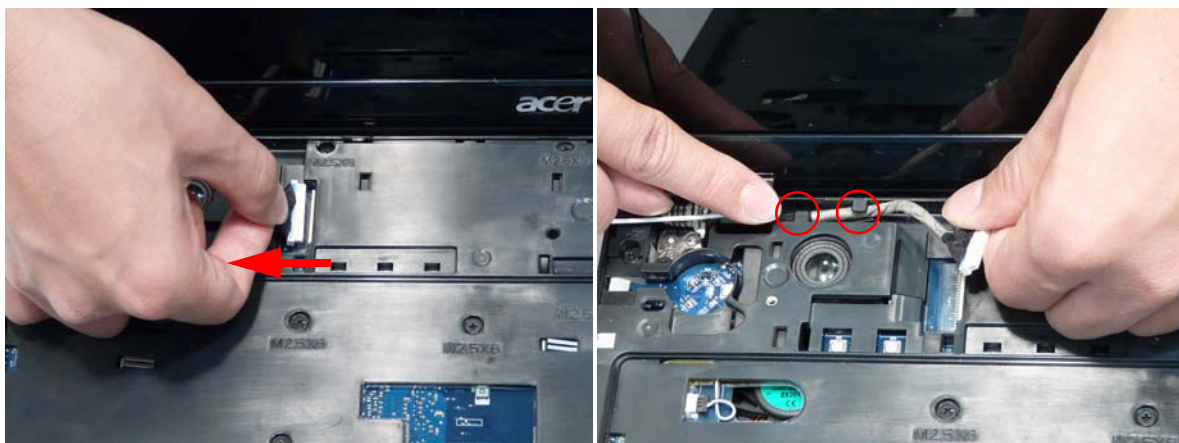
8. Remove the cables from the remaining cable clips.



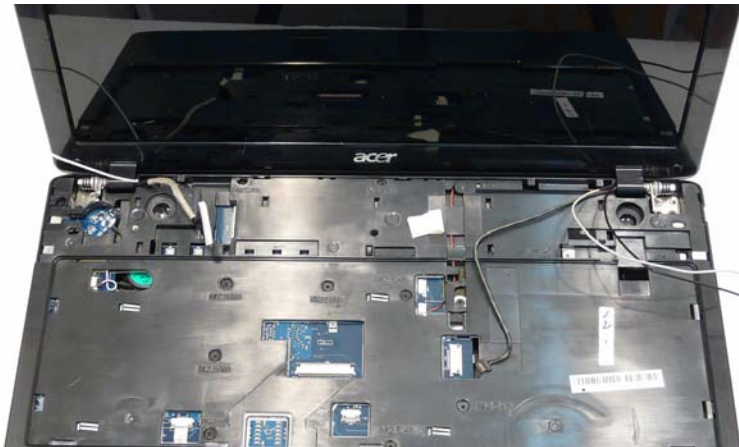
9. Disconnect the Microphone connector from the Mainboard and remove the cable from the channel.



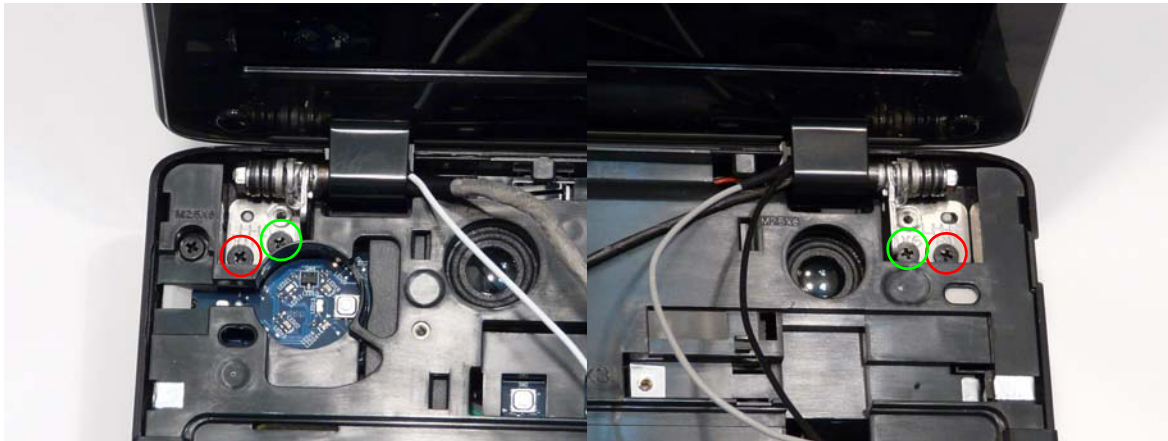
10. Disconnect the LCD power connector from the Mainboard and remove the cable from the channel.





11. Once all the LCD cables are removed, the chassis appears as shown.

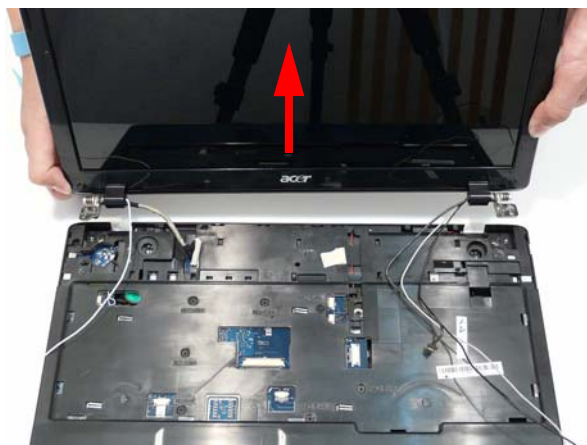


12. Remove the four securing screws (two each side) from the LCD module.



Step	Size	Quantity	Screw Type
LCD Module (red callout)	M2.5*8	2	
LCD Module (green callout)	M2.5*6	2	


13. Carefully remove the LCD module from the chassis.



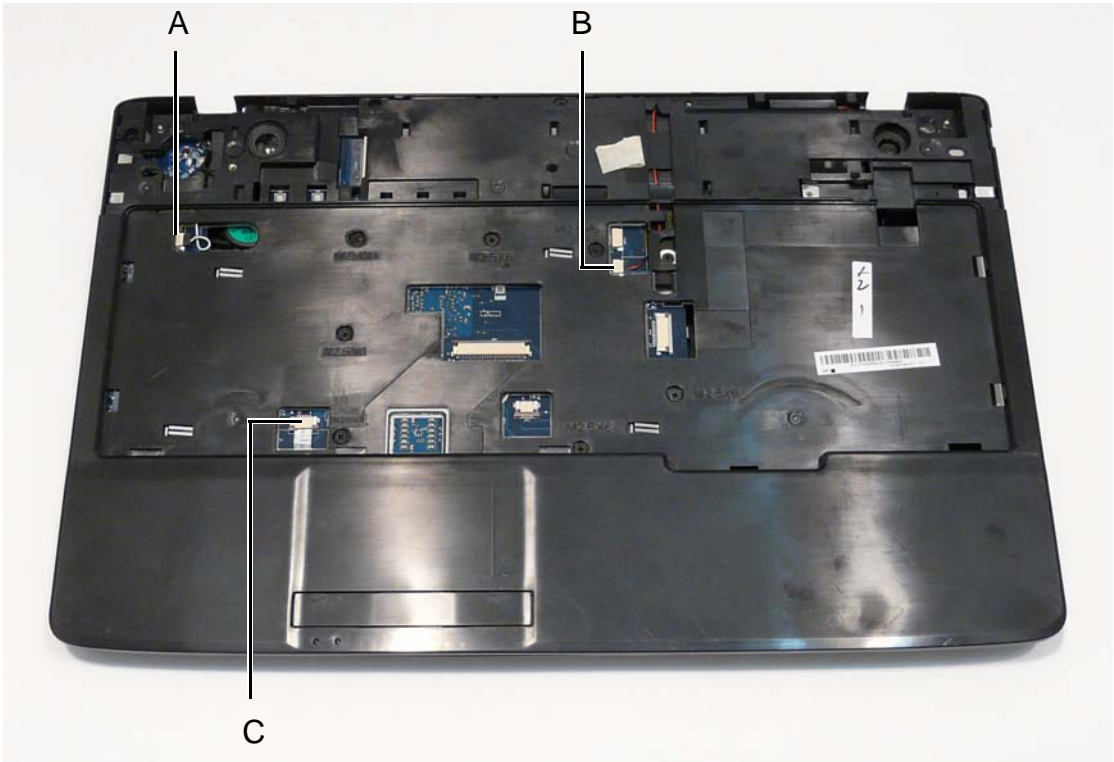
Removing the Upper Cover

- 1. See “Removing the LCD Module” on page 61.
- 2. Turn the computer over. Remove the nine screws on the bottom panel.

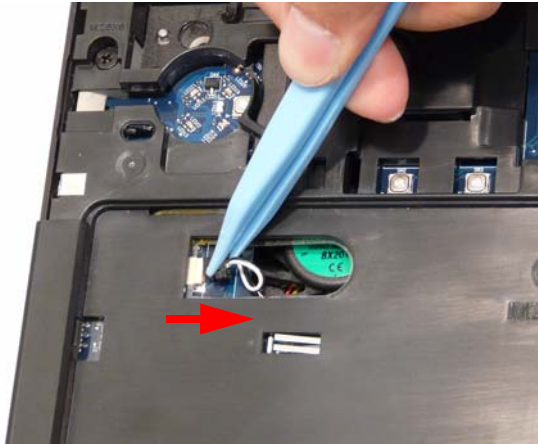


Step	Size	Quantity	Screw Type
Upper Cover	M2.5*8	9	

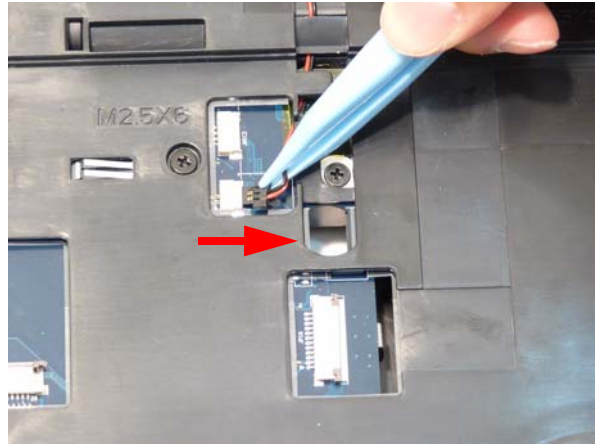
- 3. Turn the computer over. Disconnect the following three cables from the Mainboard.



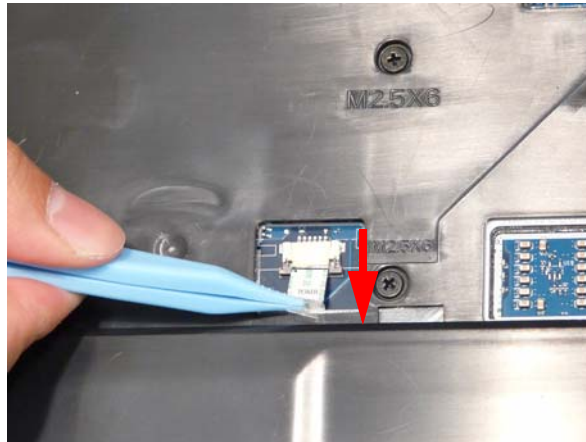
4. Disconnect A as shown.



5. Disconnect B as shown.



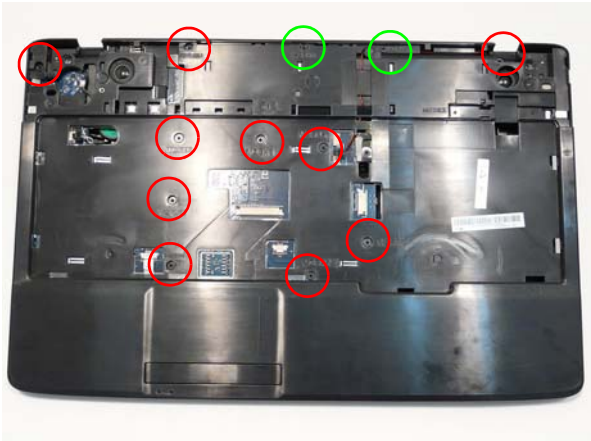
6. Release the locking latch and remove the FFC cable as shown.





NOTE: Avoid pulling on cables directly to prevent damage to the connectors.

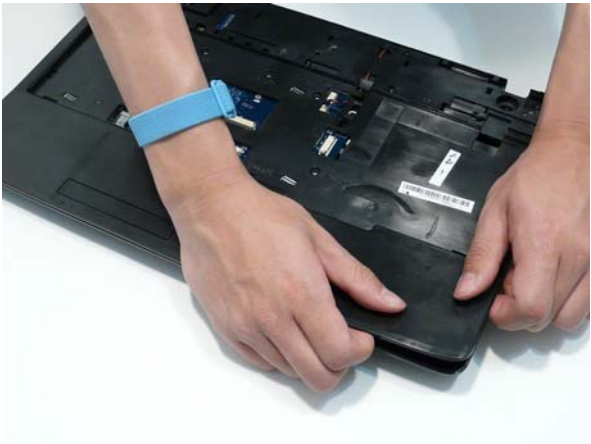
NOTE: Use the pull-tabs on FFC cables whenever available to prevent damage.

7. Remove the twelve screws from the Upper Cover as shown.



Step	Size	Quantity	Screw Type
Upper Cover (red callout)	M2.5*6	10	
Upper Cover (green callout)	M2.5*3	2	

8. Starting on the lower right side of the casing, pry the upper and lower covers apart as shown.



9. Work along the casing toward the back and left, prying apart the casing.



10. Remove the Upper Cover as shown.



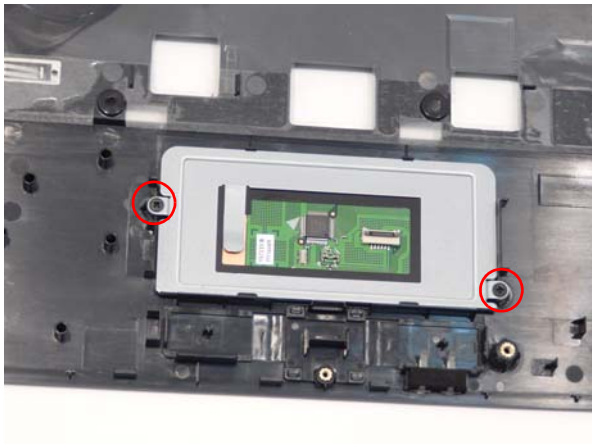
Removing the TouchPad Bracket


NOTE: The TouchPad cannot removed from the Upper Cover. Replace the entire Upper Cover if the TouchPad malfunctions.

- 1. See “Removing the Upper Cover” on page 66.
- 2. Release the FFC locking latch and remove the TouchPad FFC from the chassis.

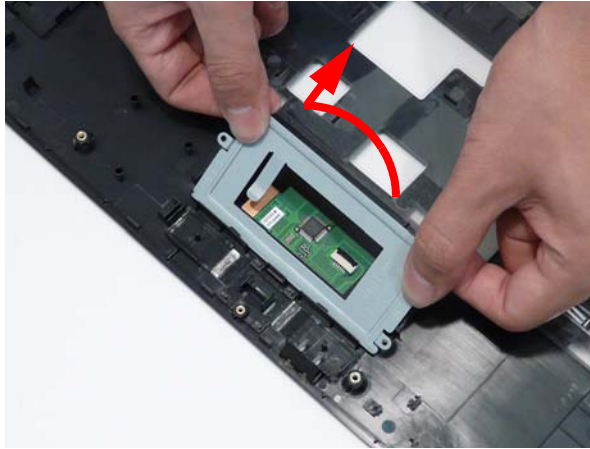


- 3. Remove the two screws from TouchPad bracket.



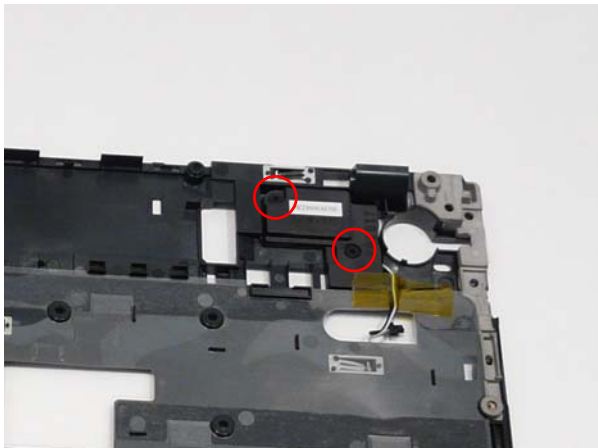
Step	Size	Quantity	Screw Type
TouchPad Bracket	M2*3	2	


-
4. Lift the back edge of the TouchPad bracket first to clear the securing clips and remove it as shown.



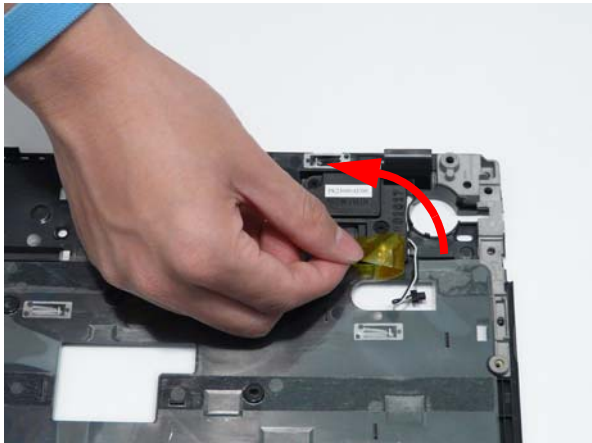
Removing the Left Speaker Module

- 1. See "Removing the Upper Cover" on page 66.
- 2. Remove the two securing screws from the module.

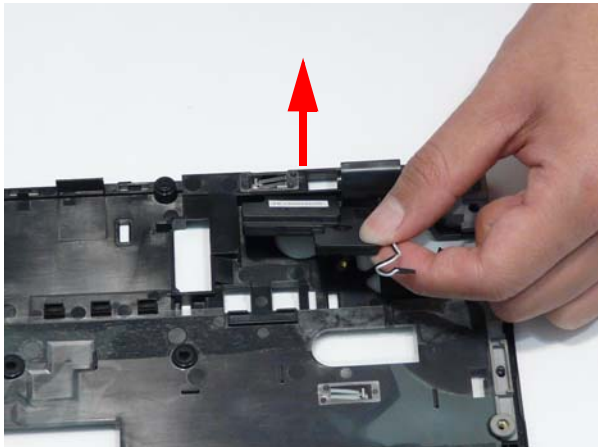


Step	Size	Quantity	Screw Type
Left Speaker Module	M2.5*3	2	

- 3. Remove the adhesive tape as shown.

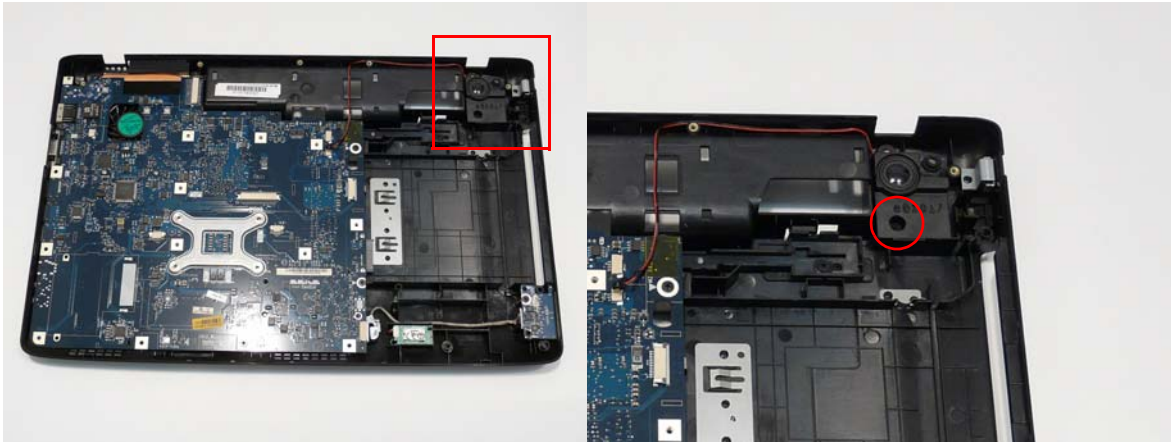



- 4. Lift the Left Speaker Module upward to remove it from the chassis.



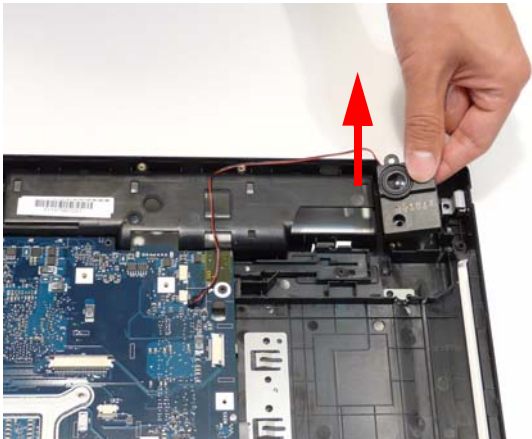
Removing the Right Speaker Module

- 1. See "Removing the Upper Cover" on page 66.
- 2. Remove the single securing screws from the Right Speaker Module.



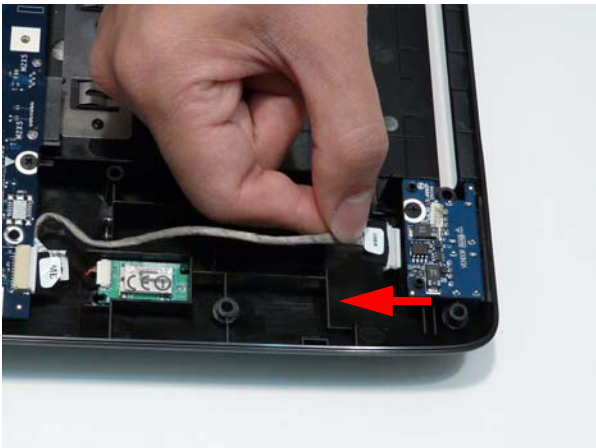
Step	Size	Quantity	Screw Type
Right Speaker Module	M2.5*6	1	

- 3. Remove the Right Speaker Module from the chassis as shown.

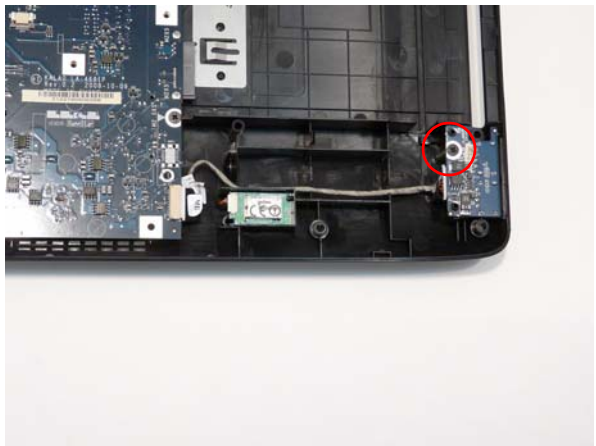



Removing the USB Board

- 1. See “Removing the Upper Cover” on page 66.
- 2. Disconnect the USB cable from the USB Board.

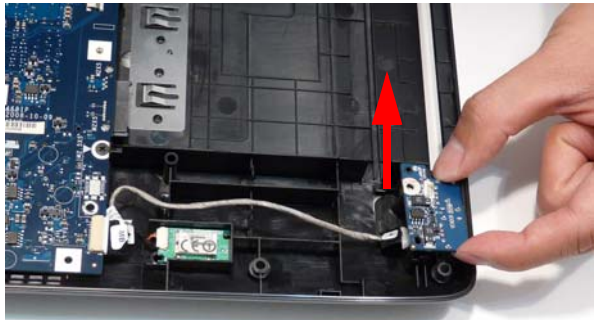


- 3. Remove the single securing screw from the board.



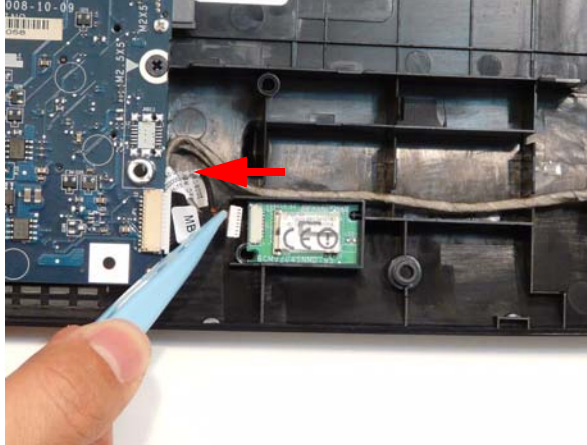
Step	Size	Quantity	Screw Type
USB Board	M2.5*6	1	

- 4. Remove the board from the chassis.



Removing the Bluetooth Module

1. See “Removing the Upper Cover” on page 66.
2. Disconnect the Bluetooth cable from the Bluetooth Module.

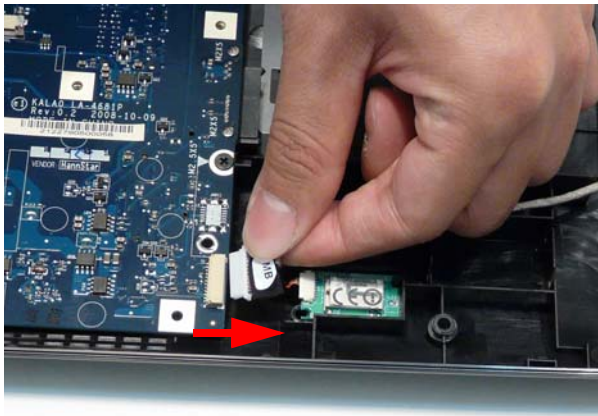


3. Lift the module clear of the chassis.

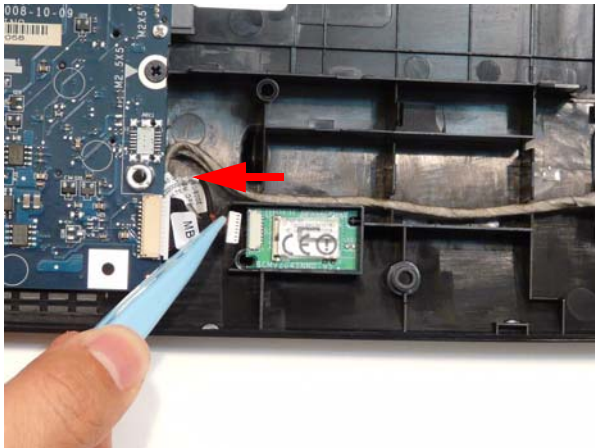


Removing the Mainboard

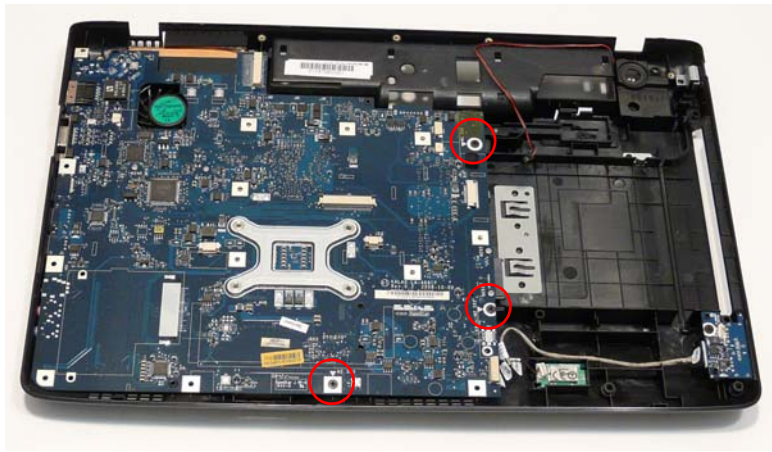
- 1. See “Removing the Upper Cover” on page 66.
- 2. Disconnect the USB cable from the Mainboard.




- 3. Disconnect the Bluetooth cable from the Bluetooth Module.

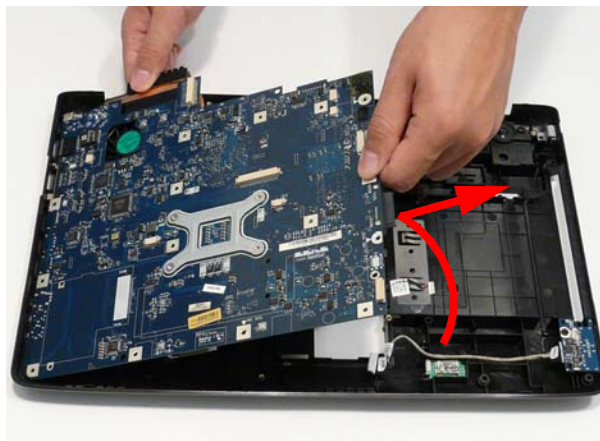


- 4. Remove the three securing screws from the Mainboard.

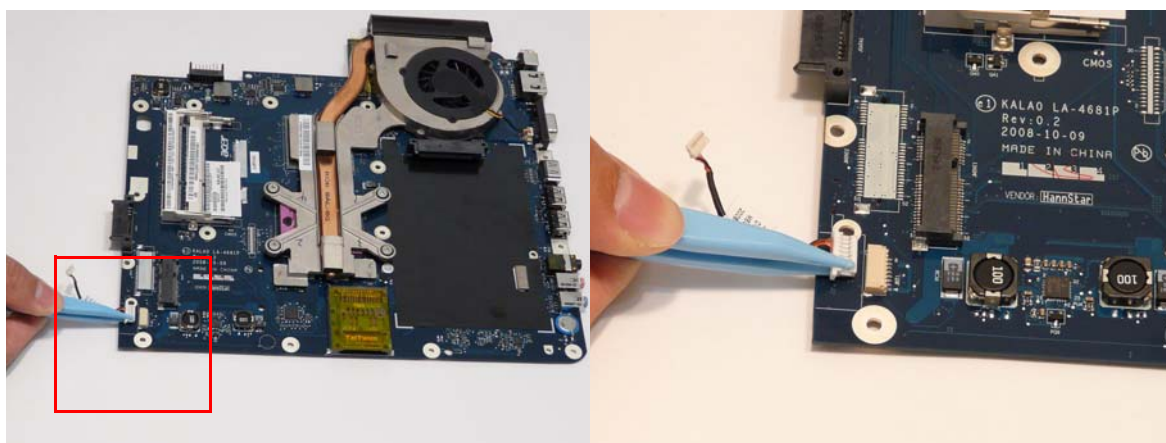


Step	Size	Quantity	Screw Type
Mainboard	M2.5*5	3	

-
5. Pivot the Mainboard upward and remove it from the chassis, right side first. Place the Mainboard on a clean, dust-free surface.

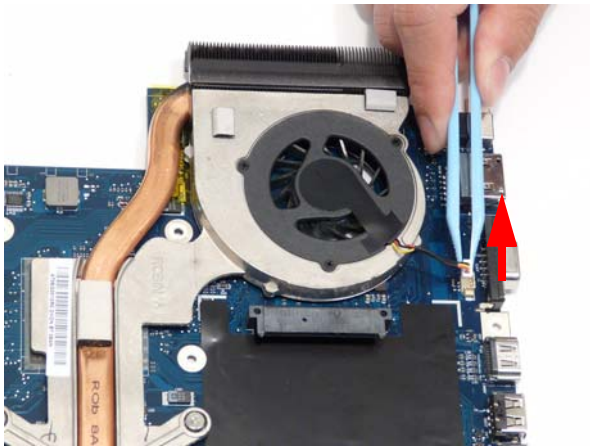


6. Turn the Mainboard over and disconnect the Bluetooth cable.

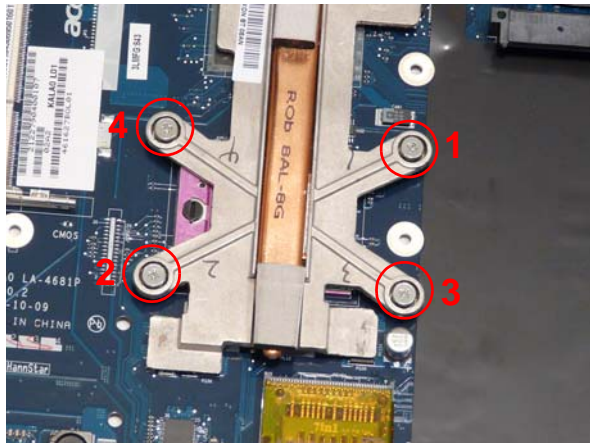



Removing the Thermal Module

- 1. See “Removing the Mainboard” on page 76.
- 2. Disconnect the fan cable from the Mainboard.

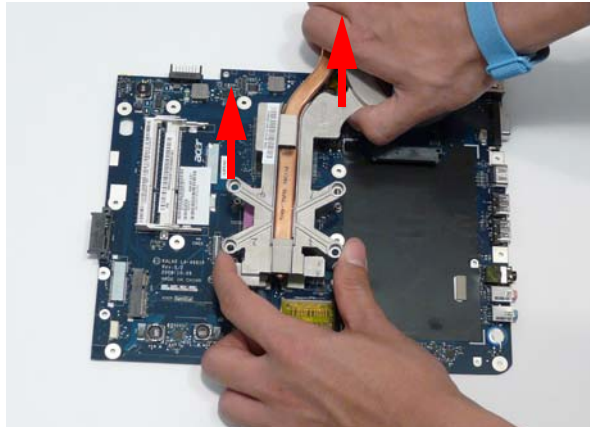


- 3. Remove the four securing screws (in reverse numerical order from screw 4 to screw 1) from the Thermal Module.



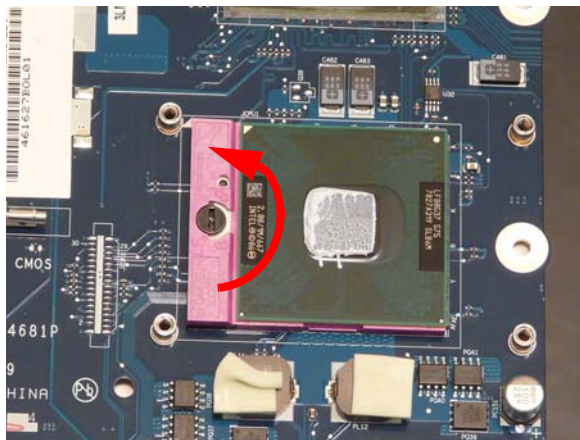
Step	Size	Quantity	Screw Type
Thermal Module	CPU_SCREW_SPRIN	4	

- 4. Using both hands, lift the Thermal Module clear of the Mainboard.



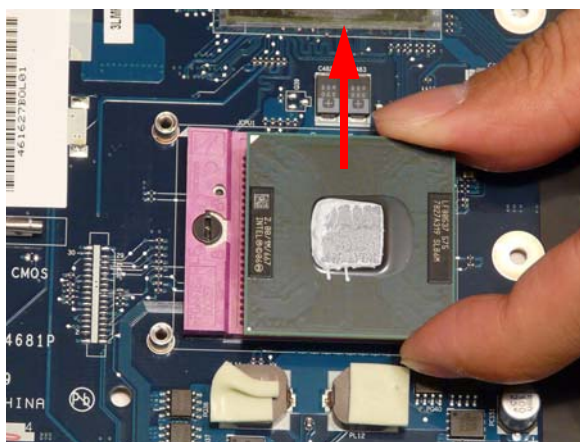
Removing the CPU

1. See “Removing the Thermal Module” on page 78.
2. Turn the securing screw 180° to release the CPU from the socket.



3. Remove the CPU from the socket as shown.

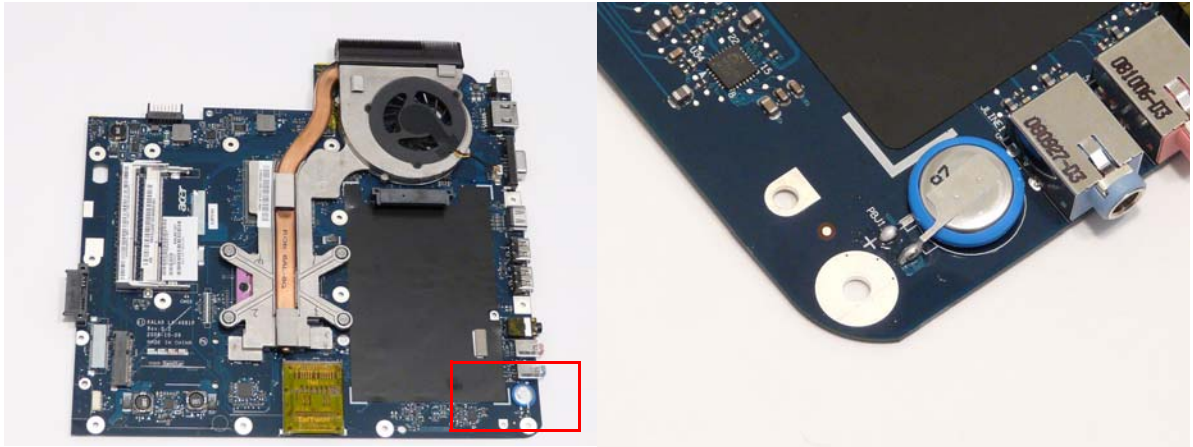
IMPORTANT: The pins on the underside of the CPU are very delicate. If they are damaged, the CPU may malfunction. Place the CPU on a clean, dry surface when it is not installed.



Removing the RTC Battery

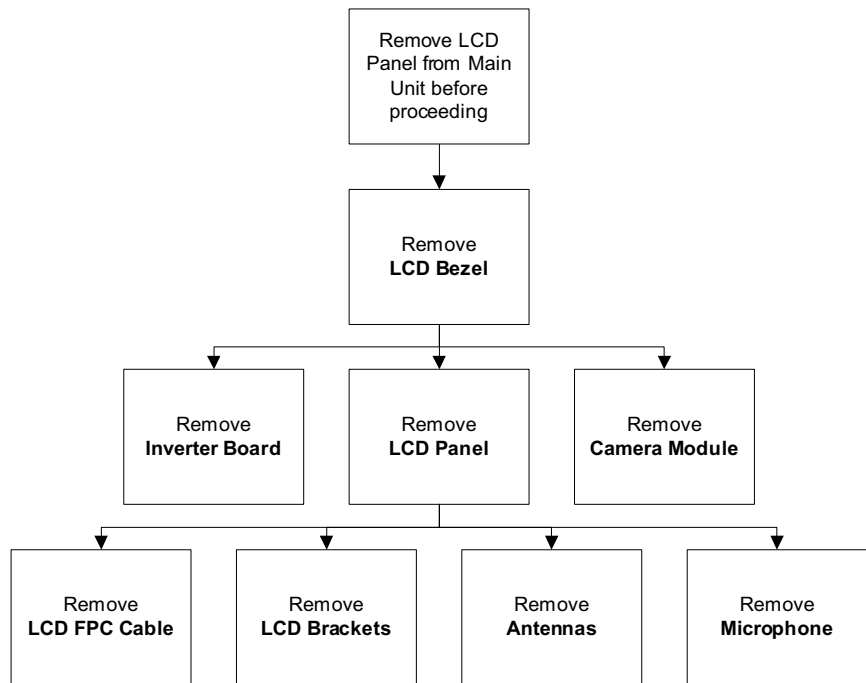
IMPORTANT: Follow local regulations for disposal of all batteries.

The RTC Battery is soldered to the Mainboard. To replace the battery, solder the new battery to the connections shown.



LCD Module Disassembly Process

LCD Module Disassembly Flowchart




Screw List

Step	Screw	Quantity	Part No.
LCD Bezel	M2.5*6	4	86.AZ802.003
Inverter Board	M2.5*6	1	86.AZ802.003
LCD Panel	M2.5*6	2	86.AZ802.003
LCD Brackets	M2*3	8	86.AZ802.002

Removing the LCD Bezel

- 1. See "Removing the LCD Module" on page 61.
- 2. Remove the two upper and two lower bezel screw caps and screws.
NOTE: The two center caps are protection only and do not cover screws.



Step	Size	Quantity	Screw Type
LCD Bezel	M2.5*6	4	


- 3. Starting from the lower right side of the bezel, pry the bezel upwards and away from the panel. Move along the top and right until all sides of the bezel are removed.
NOTE: If necessary, use a pry to lift up the outside edges of the bezel.



Removing the Inverter Board

- 1. See “Removing the LCD Bezel” on page 82.
- 2. Remove the single securing screw from the Inverter Board.

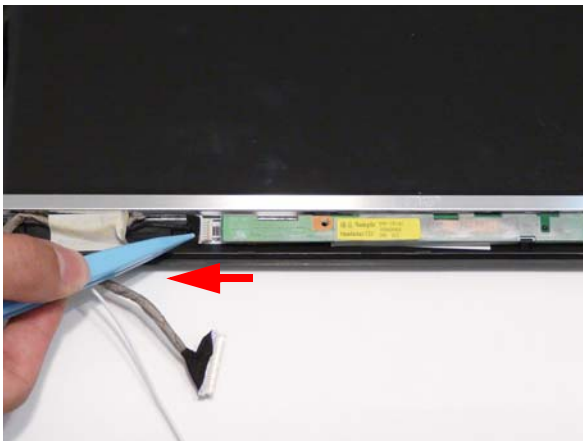


Step	Size	Quantity	Screw Type
Inverter Board	M2.5*6	1	

- 3. Disconnect the right Inverter Board cable as shown.



- 4. Disconnect the left Inverter Board cable as shown.

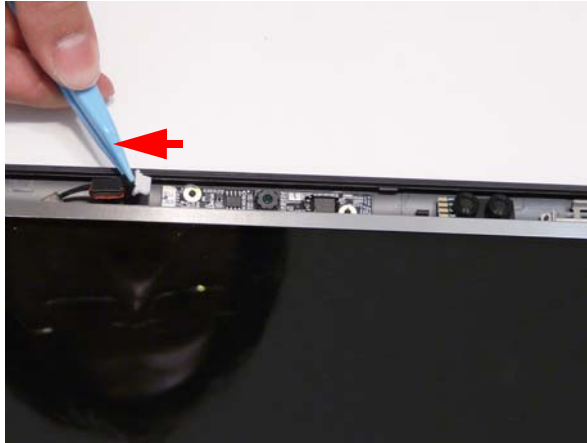


5. Remove the Inverter Board from the LCD module.

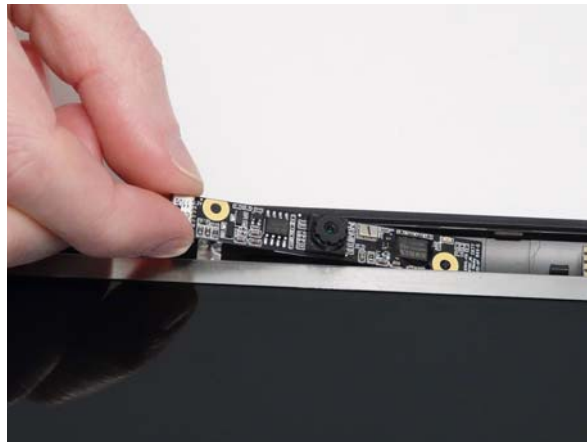


Removing the Camera Module

1. See “Removing the LCD Panel” on page 86.
2. Disconnect the camera cable.

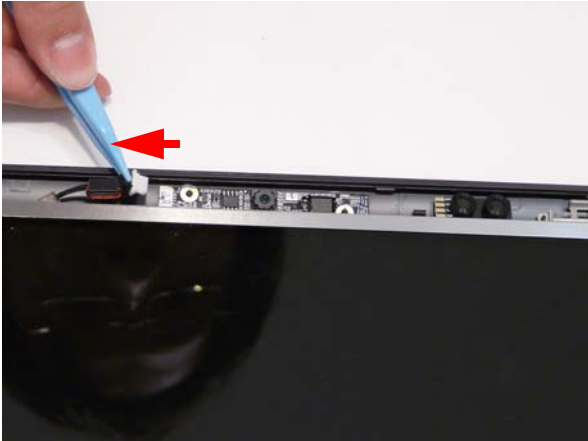


3. Remove the Camera from the module.




Removing the LCD Panel

- 1. See “Removing the Inverter Board” on page 83.
- 2. Disconnect the camera cable.

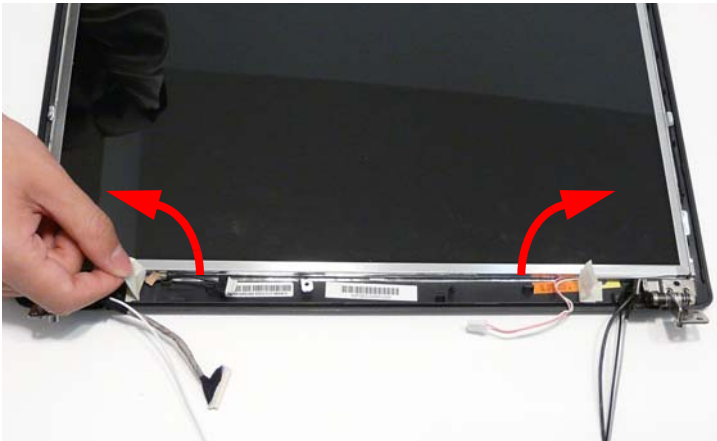


- 3. Remove the two securing screws from the LCD Panel.



Step	Size	Quantity	Screw Type
LCD Panel	M2.5*6	2	

- 4. Remove the adhesive tapes securing the Inverter cables to the module.



-
5. Lift the LCD Panel clear of the module.

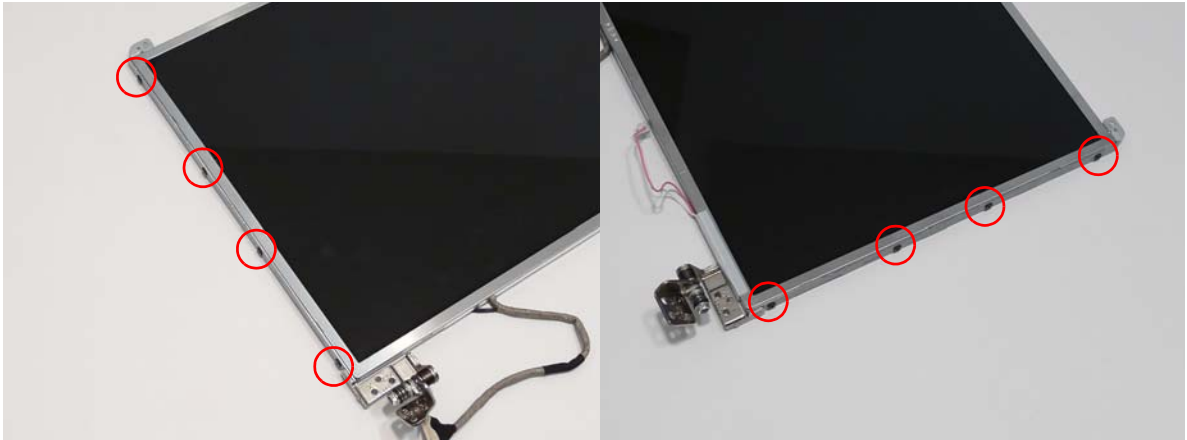



The LCD Module appears as follows when the LCD Panel is removed.



Removing the LCD Brackets and FPC Cable

- 1. See “Removing the LCD Panel” on page 86.
- 2. Remove the eight securing screws (four on each side) from the LCD Panel brackets.

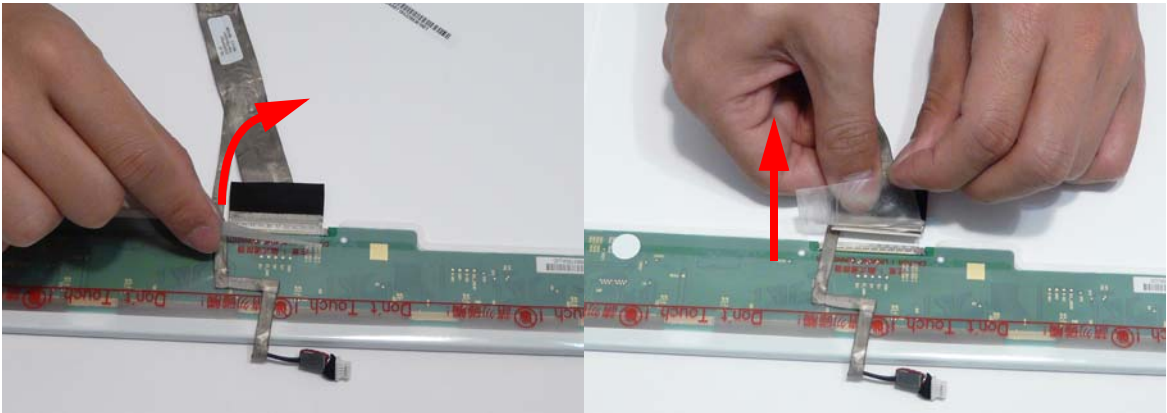


Step	Size	Quantity	Screw Type
LCD Brackets	M2*3	8	

- 3. Remove the LCD brackets by pulling away from the LCD Panel.
- 4. Turn the LCD panel over to expose the rear.



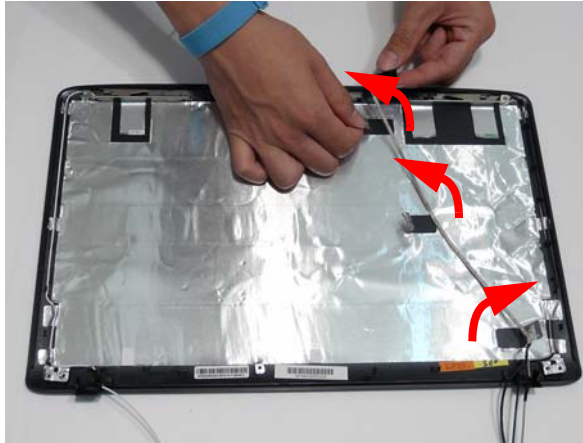
- 5. Lift the adhesive protector and disconnect the cable from the LCD Panel.



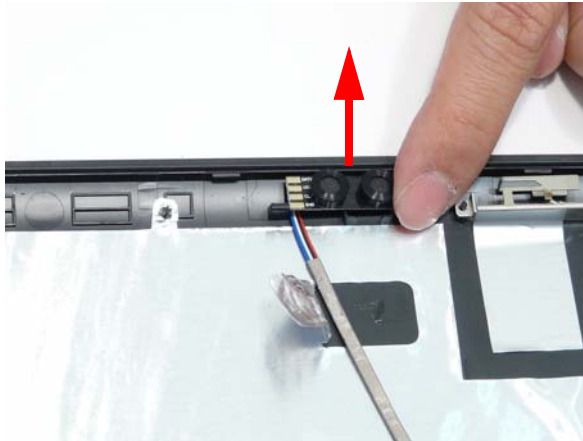
- 6. Lift the FPC cable from the panel.

Removing the Microphone Module

1. See “Removing the LCD Panel” on page 86.
2. Remove the strips holding the microphone cable in place. Ensure the cable is free from obstructions.

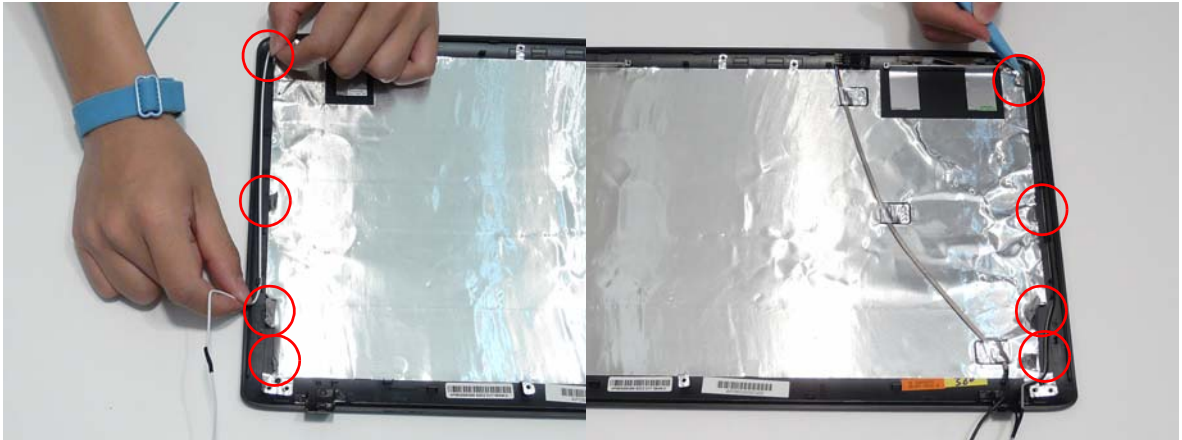


3. Lift the Microphone Module clear of the module.



Removing the Antennas

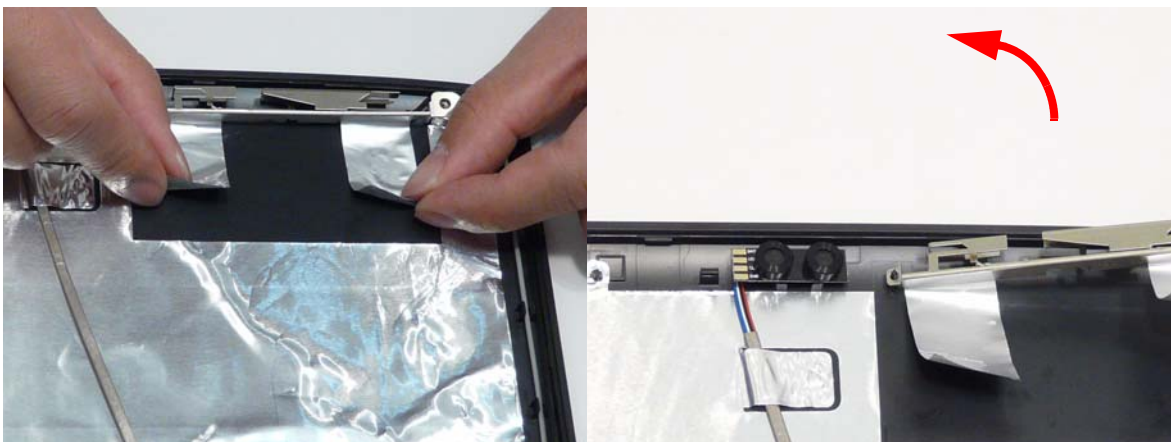
1. See "Removing the LCD Panel" on page 86.
2. Remove the strips holding the antenna cables in place. Ensure the cables are free from obstructions.



3. Remove the adhesive tape and lift the left side antenna from the LCD module as shown.



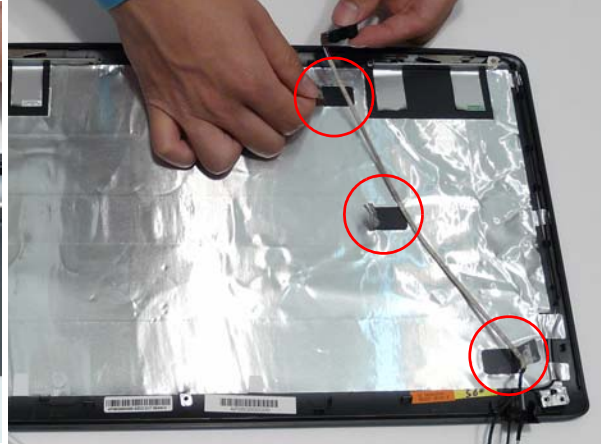
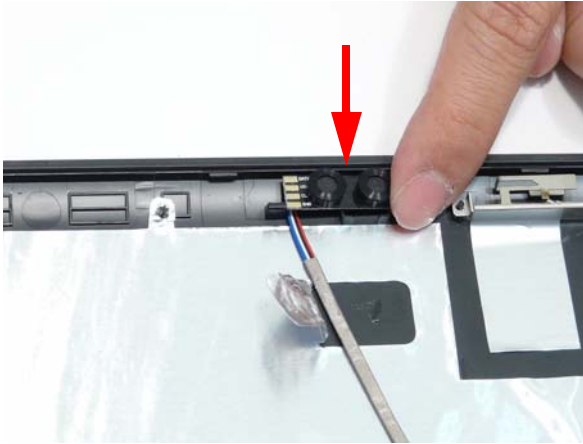
4. Remove the adhesive tape and lift the left side antenna from the LCD module as shown.



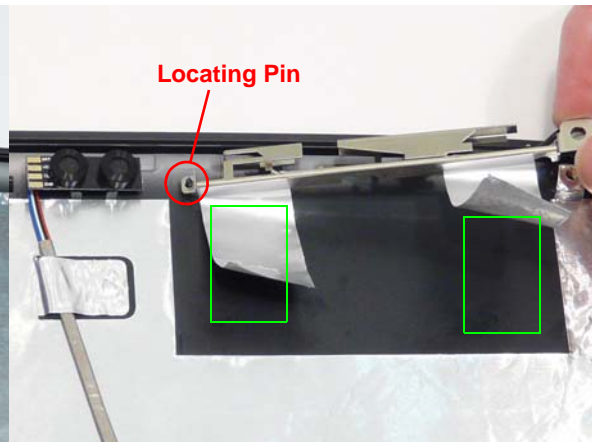
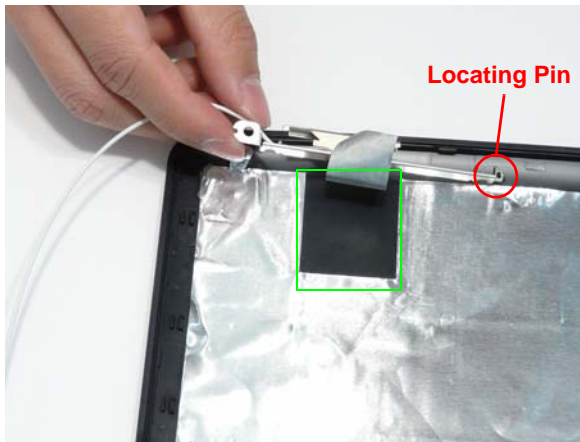
LCD Module Reassembly Procedure

Replacing the MIC and Antennas

1. Place the Microphone Module in the LCD Module as shown.
2. Run the cable as shown and secure it using the adhesive tabs.



3. Replace the left and right antennas as shown. Ensure that the locating pin on each antenna is correctly seated. Press down on the adhesive pads (green callout) to secure the antennas in place.



4. Replace the left antenna cable (white) as shown. Ensure that the cable is inserted along the cable channel and secured under each adhesive tab strip.
5. Ensure the antenna cable passes through the hinge well as shown to avoid trapping.



6. Replace the right antenna cables (black and gray) as shown. Ensure that the cables are inserted along the cable channel and secured under each adhesive tab strip.
7. Ensure the antenna and MIC cables pass through the hinge well as shown to avoid trapping.

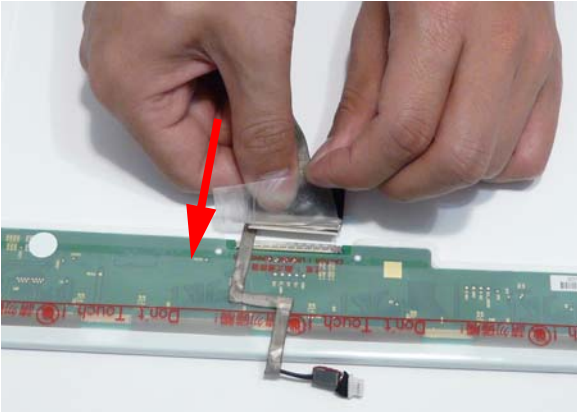


NOTE: The LCD Module appears as shown when the MIC and Antennas are replaced correctly.

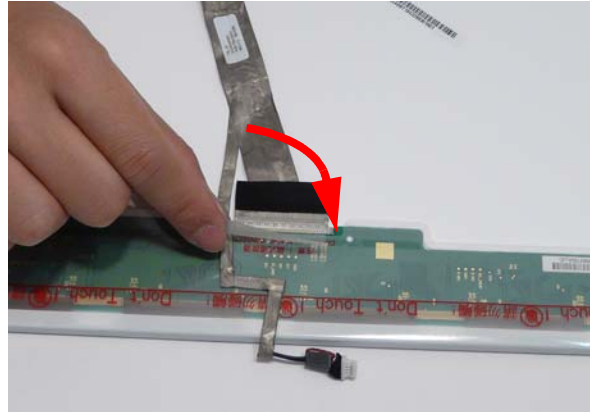


Replacing the LCD Panel

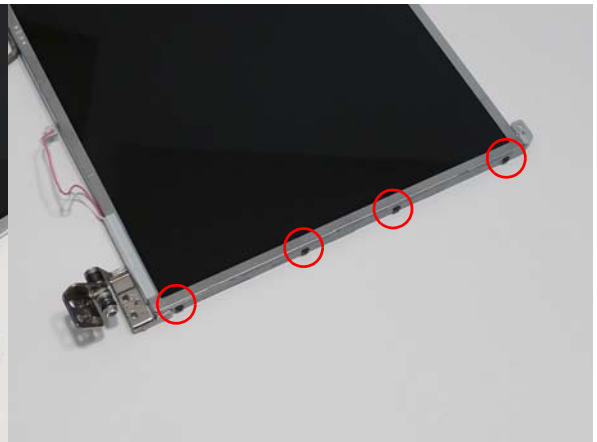
1. Insert the LCD Panel cable into the LCD Panel connector as shown.



2. Replace the adhesive strip securing the connector in place.



3. Align the LCD brackets with the screw holes on the panel. Starting with the top most screws (marked with \triangle) replace the eight screws (four on each side) in the brackets as shown.



4. Place the LCD Panel in the back cover.

IMPORTANT: Ensure that the LCD power cable passes through the hinge well and is not trapped under the panel.

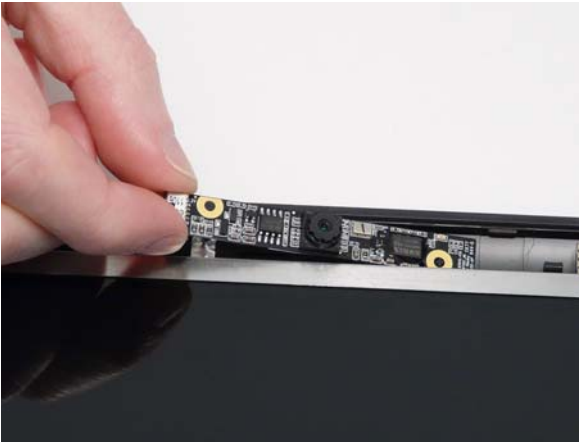


5. Secure the LCD module with the two securing screws and replace the adhesive strips to hold the cables in place.



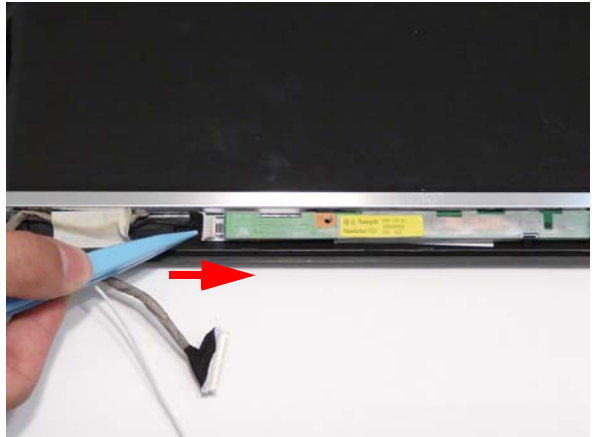
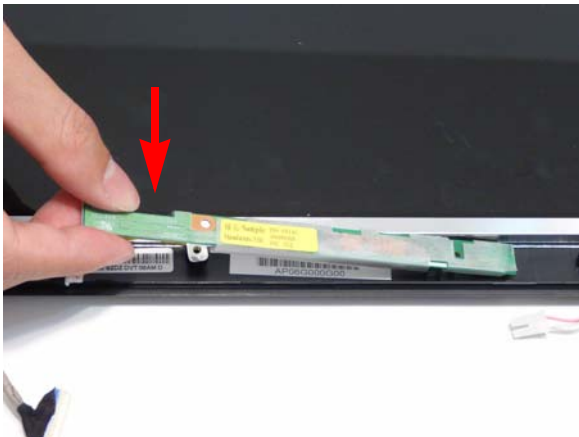
Replacing the Camera

1. Place the camera in the LCD Module.
2. Connect the cable to the camera module.



Replacing the Inverter

1. Place the Inverter in the LCD Module as shown.
2. Connect the left side inverter cable.



3. Connect the right side inverter cable.

NOTE: Lift the Inverter slightly to connect the cable if necessary.



Replacing the LCD Bezel

1. Locate the bezel bottom edge first and press down the edges until there are no gaps between the bezel and the LCD Module.

IMPORTANT: Ensure that the LCD cables pass through the hinge wells and are not trapped by the bezel.



2. Replace the four screws and the rubber screw caps provided.

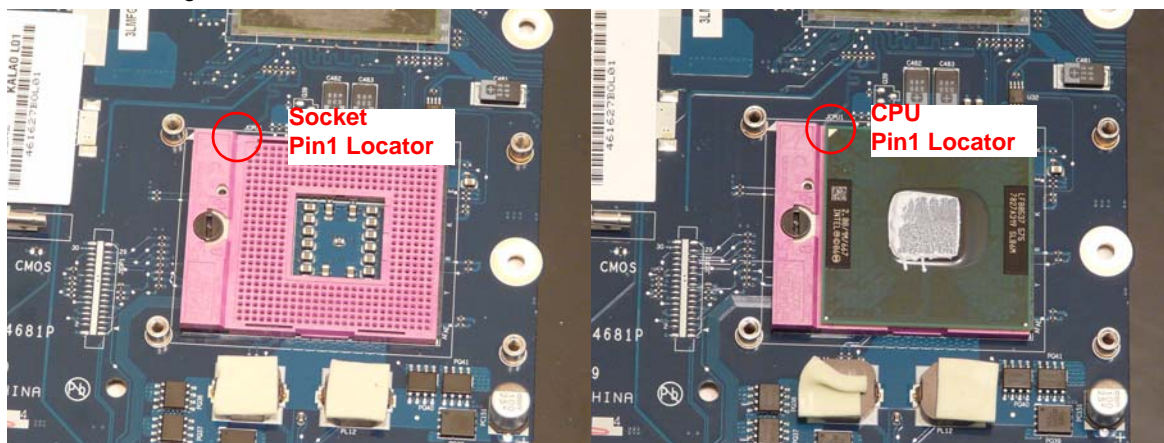


Main Module Reassembly Procedure

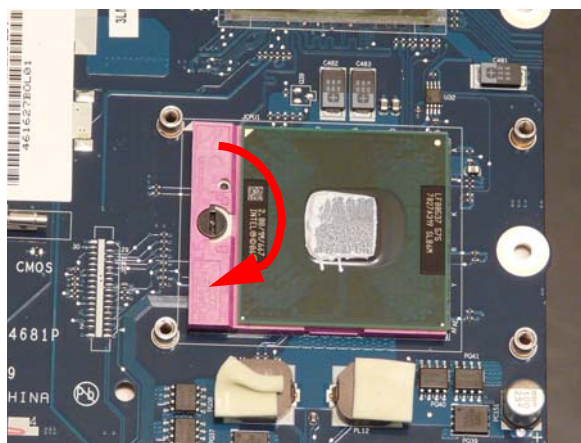
Replacing the CPU

IMPORTANT: The CPU has a Pin1 locator that must be positioned corresponding to the marker on the CPU socket.

1. Carefully turn the mainboard upside down (CPU side up), and place the CPU into the CPU socket as shown, taking note of the Pin1 locator.



2. Gently close the socket lever and snap it into place in the securing clip.



Replacing the Thermal Module

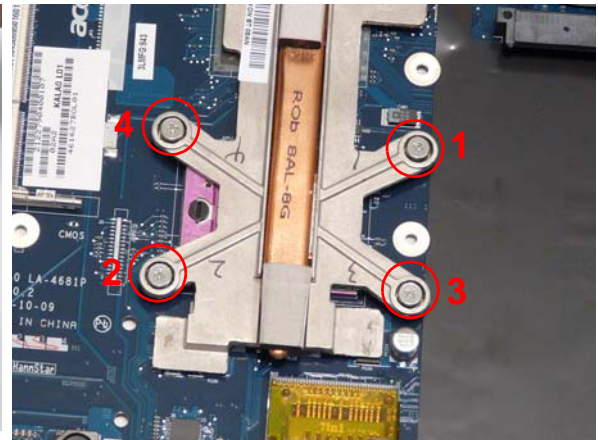
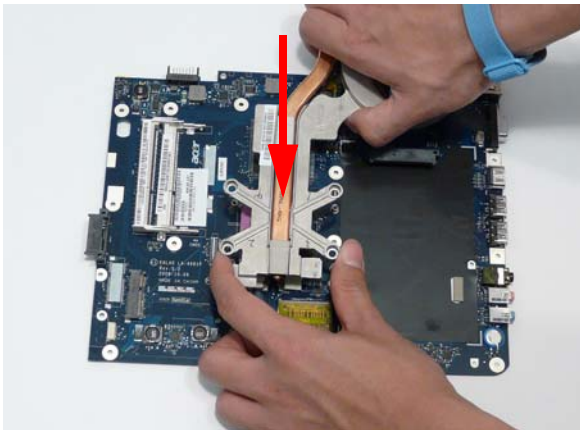
IMPORTANT: Apply a suitable thermal grease and ensure all heat pads are in place before replacing the Thermal Module.

The following thermal grease types are approved for use:

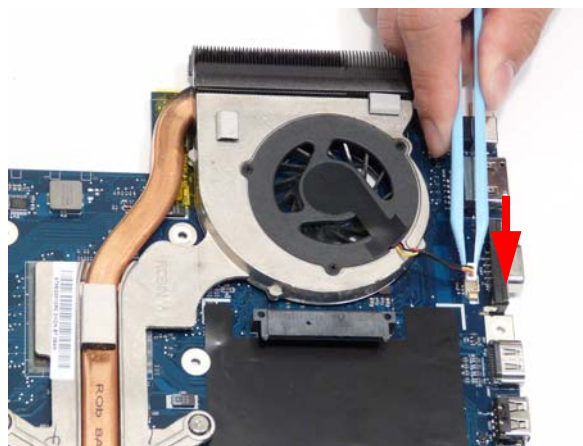
- Silmore GP50
- Honeywell PCM45F-SP
- ShinEtsu 7762

The following thermal pads are approved for use:

- Eapus XR-PE
1. Remove all traces of thermal grease from the CPU using a lint-free cloth or cotton swab and Isopropyl Alcohol, Acetone, or other approved cleaning agent.
 2. Apply a small amount of thermal grease to the centre of the CPU—there is no need to spread the grease manually, the force used during the installation of the Thermal Module is sufficient.
 3. Align the screw holes on the Thermal Module and Mainboard then replace the module. Keep the module as level as possible to spread the thermal grease evenly.
 4. Replace the four securing screws (in numerical order from screw 1 to screw 4) to secure the Thermal Module in place.

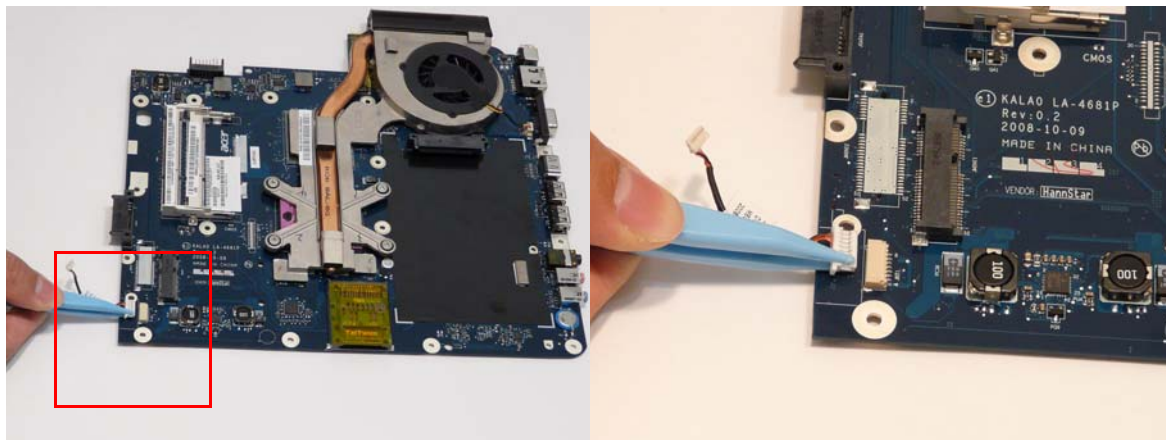


5. Connect the fan cable to the Mainboard.

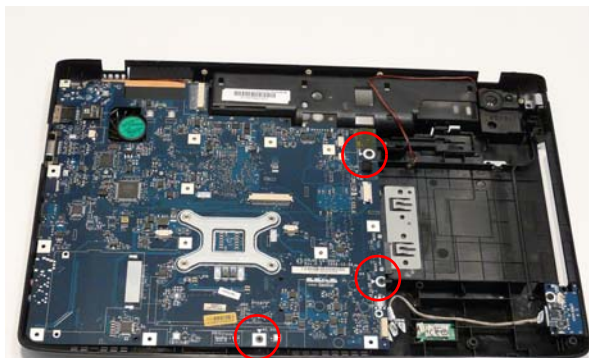
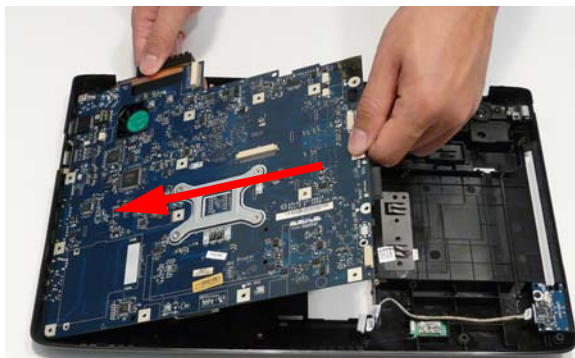


Replacing the Mainboard

1. Connect the Bluetooth cable to the Mainboard.

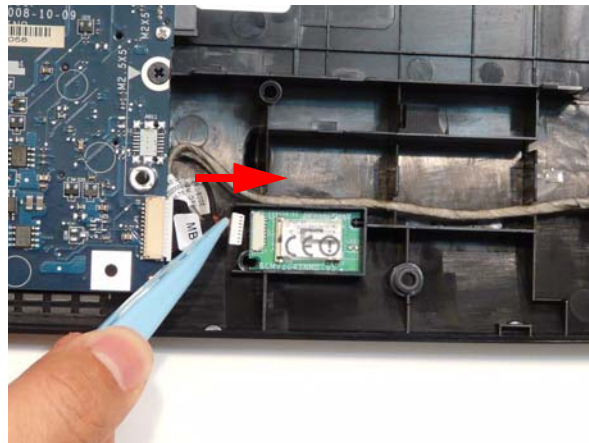
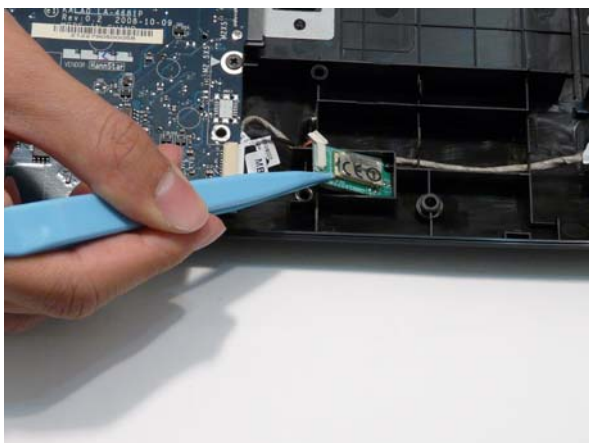


2. Turn the Mainboard over and place it in the chassis, left side first to insert the I/O ports correctly.
3. Rotate the Mainboard downward into position.



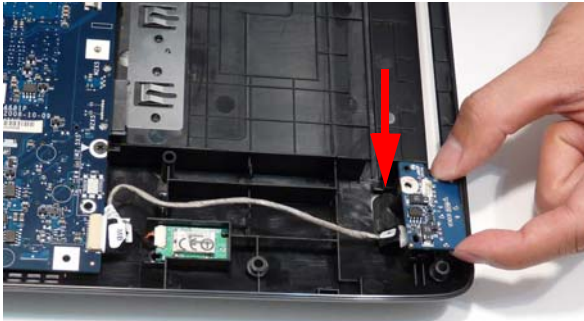
Replacing the Bluetooth Module

1. Place the Bluetooth Module in the Mainboard bay.
2. Connect the Bluetooth cable to the module as shown.

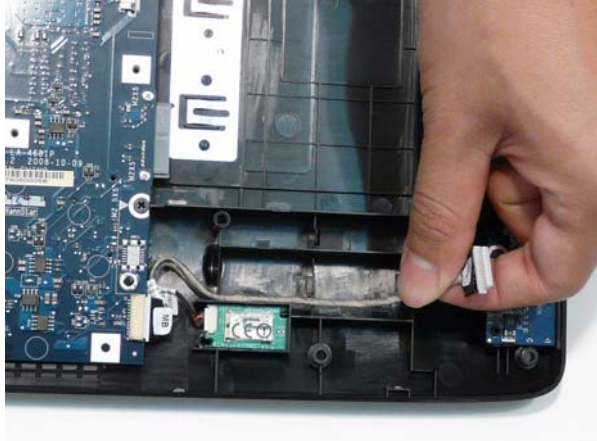


Replacing the USB Board

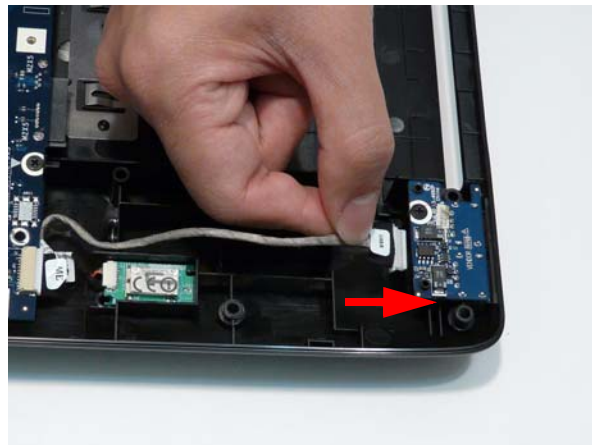
1. Place the USB Board in the Mainboard bay.
2. Replace the single securing screw as shown.



3. Connect the USB cable to the Mainboard.
4. Ensure that the USB cable runs along the cable channel as shown.

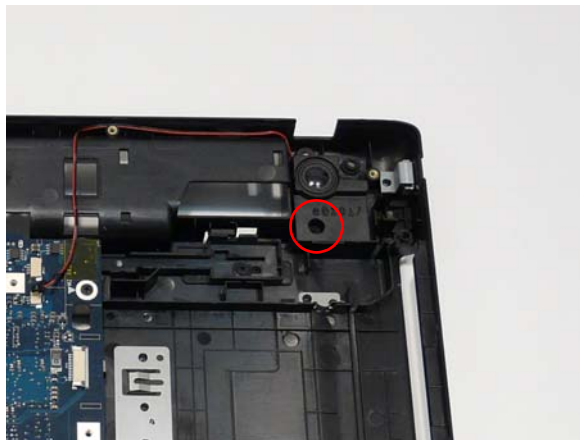
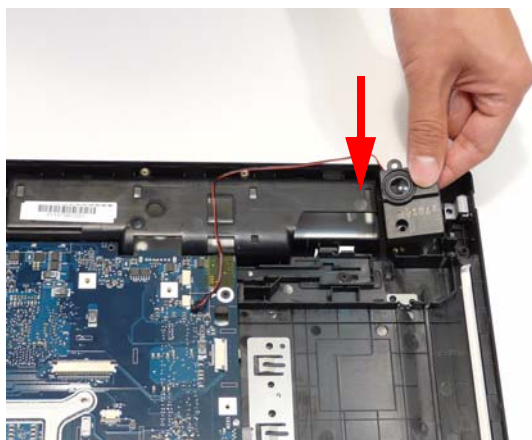


5. Connect the USB cable to the USB Board.

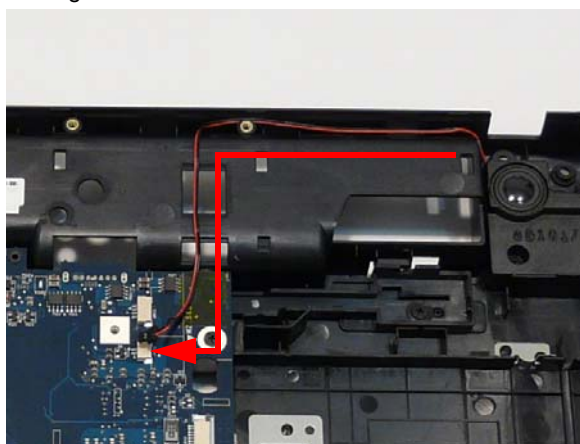


Replacing the Right Speaker Module

1. Place the Right Speaker Module in the chassis as shown.
2. Replace the single securing screw.

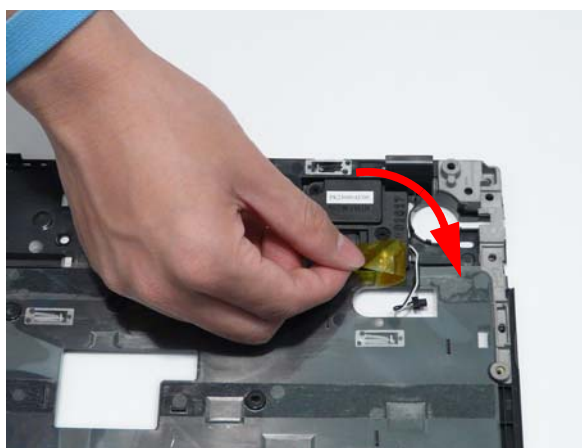
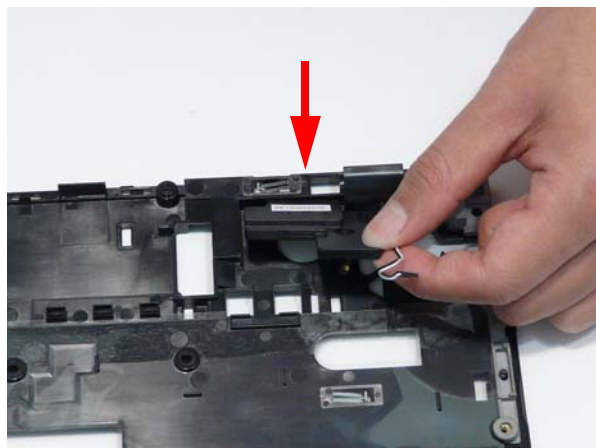


3. Run the cable as shown along the chassis and on to the Mainboard.

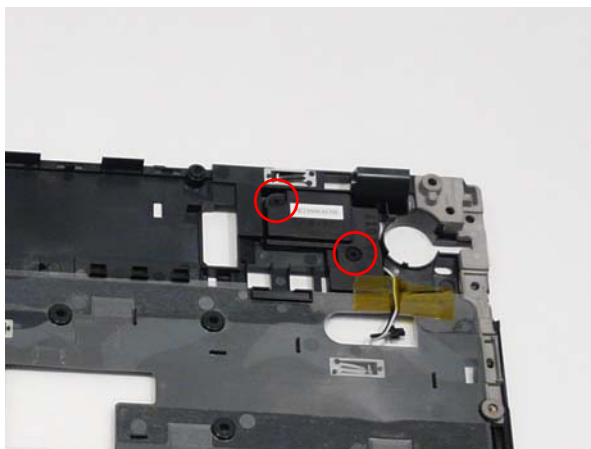


Replacing the Left Speaker Module

1. Place the Left Speaker Module in the Upper Cover as shown.
2. Replace the adhesive strip to hold the cable in place.

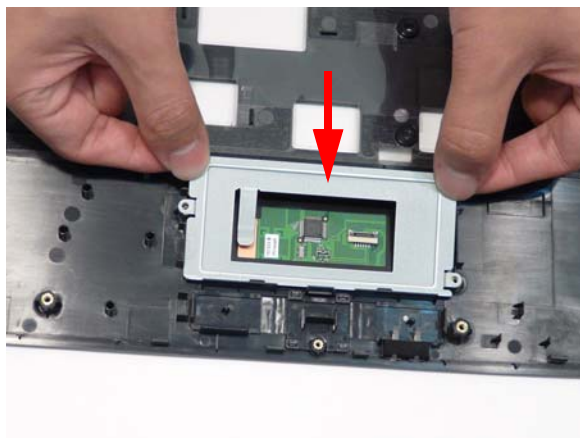
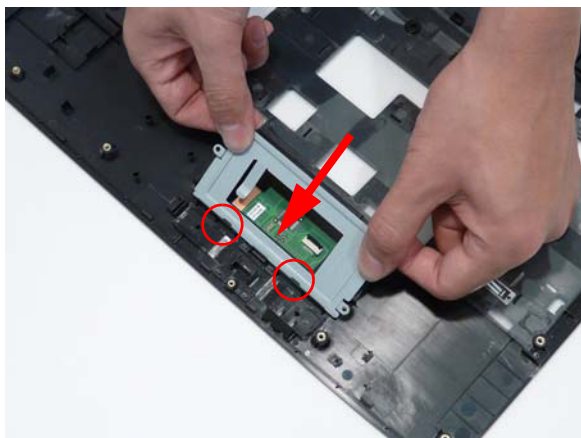


-
3. Replace the two securing screws.

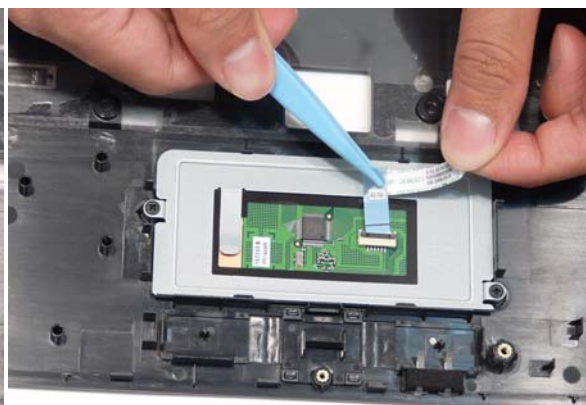
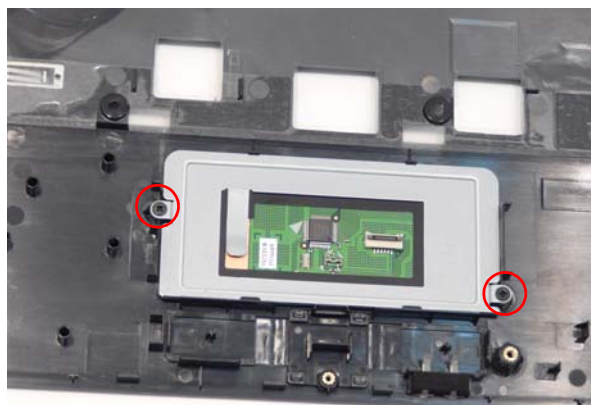


Replacing the TouchPad Bracket

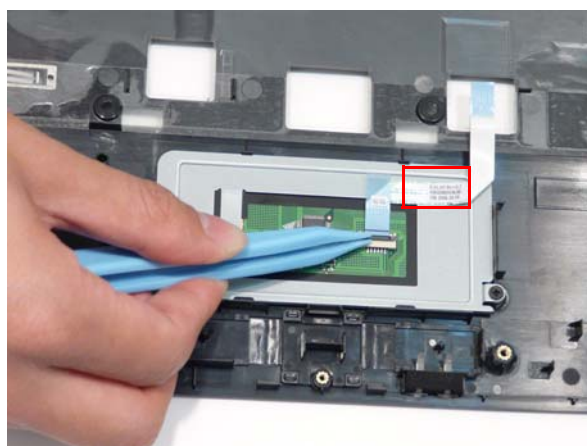
1. Replace the TouchPad bracket bottom edge first to engage the securing clips.
2. Rotate the bracket down on to the upper case.



3. Replace the two securing screws.
4. Insert the TouchPad FFC into the connector.

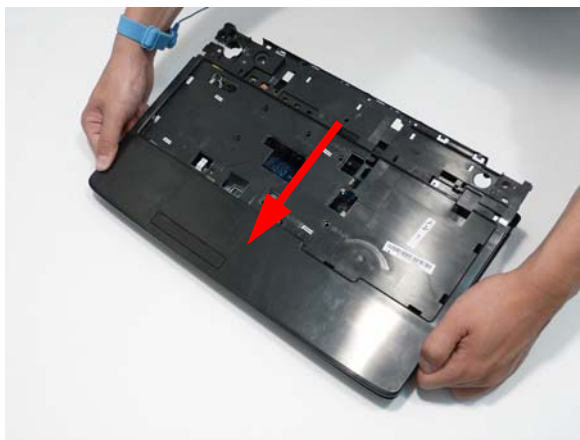


5. Close the locking latch on the connector and press down as indicated (red callout) to engage the adhesive on the FFC.



Replacing the Upper Case

1. Place the upper case on the lower case front edge first.

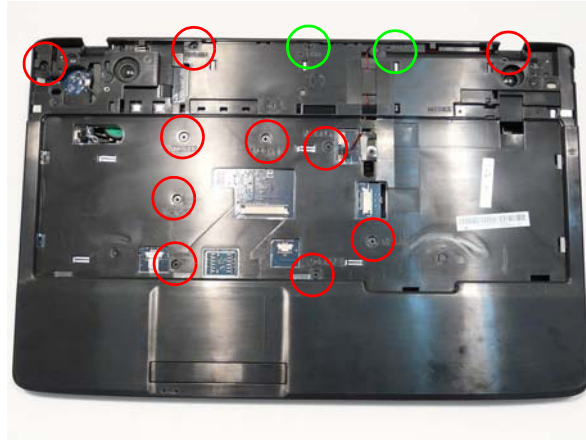


2. Lower the case into position, as shown, and press down around the edges to secure it in place.

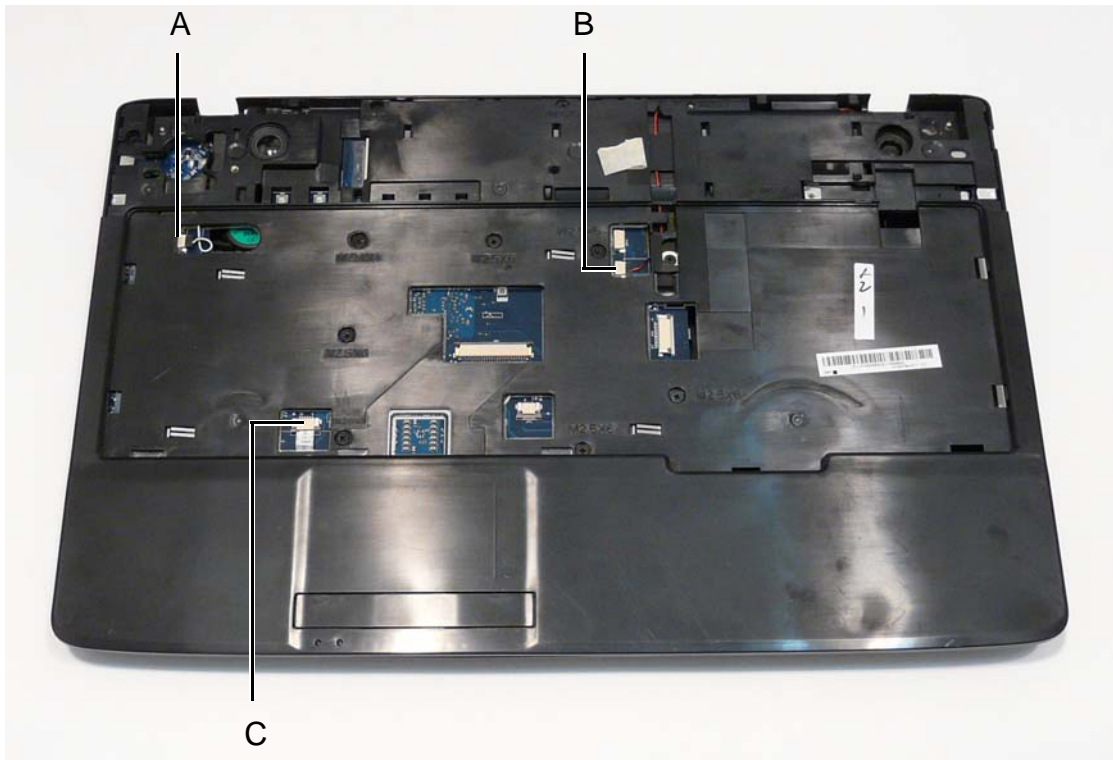


-
3. Replace the twelve screws in the Upper Cover as shown.

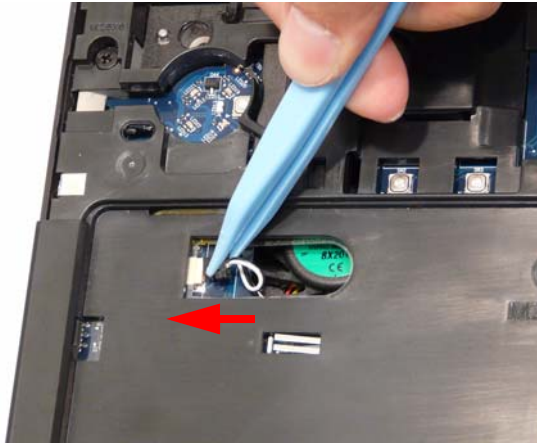
NOTE: The red callouts are M2.5*6 screws and green callouts are M2.5*3 screws.



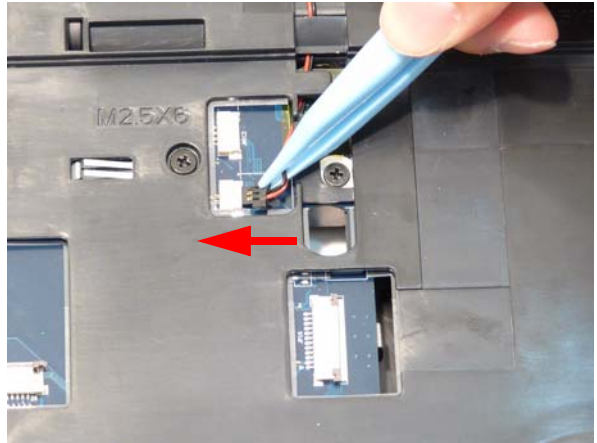
4. Connect the following three cables to the Mainboard.



5. Connect A as shown.



6. Connect B as shown.



7. Insert the FFC cable and close the locking latch.

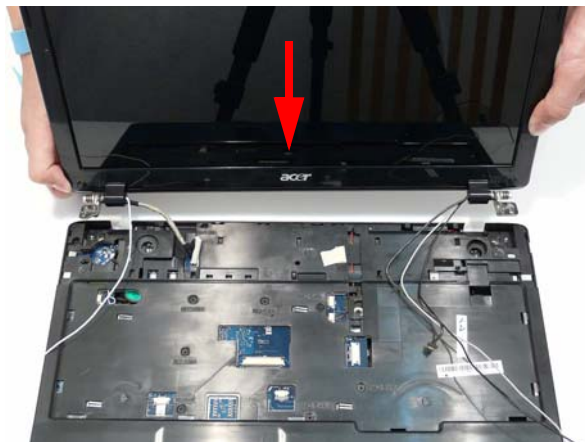


8. Turn the computer over and replace the nine screws as shown.



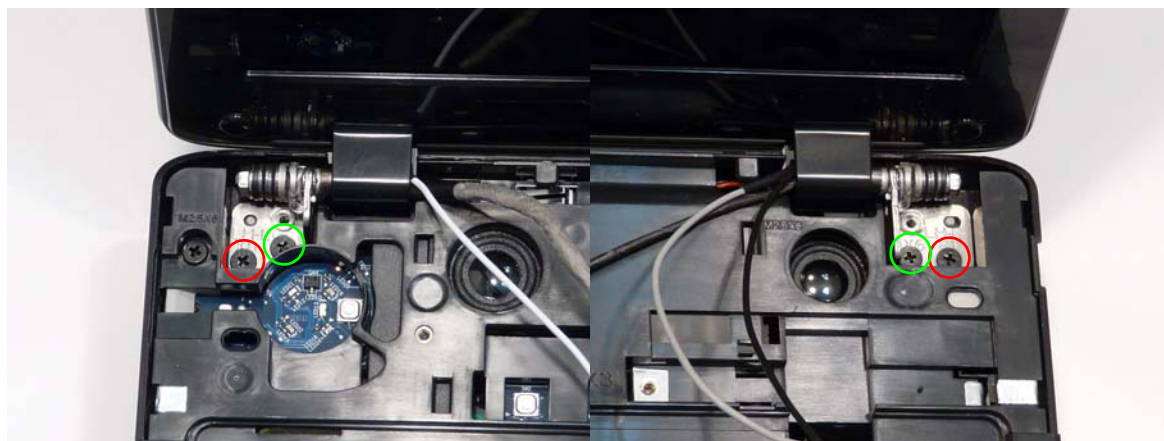
Replacing the LCD Module

1. Align the LCD hinges with the lower case and replace the LCD module.

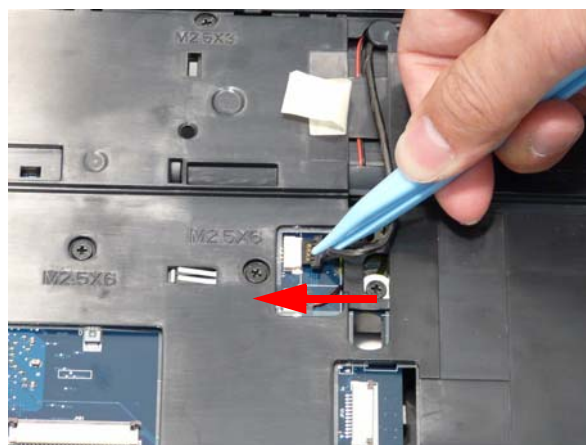
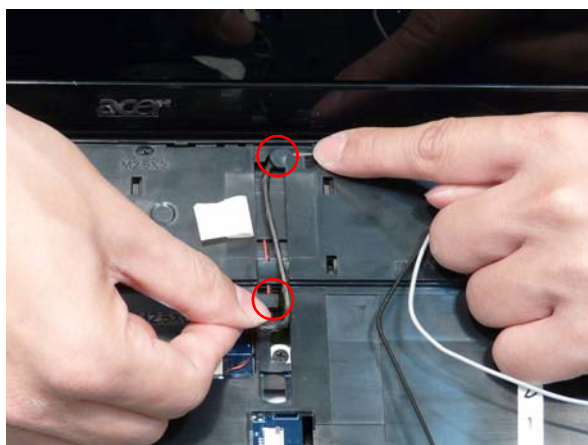


2. Replace the four securing screws (two each side), starting with the left side hinge.

NOTE: Two different screw sizes are used to secure the LCD module in place. The red callouts require M2.5*8 screws and the green callouts require M2.5*6 screws.



3. Run the microphone cable along the cable channel using all the available cable clips.
4. Connect the microphone cable to the Mainboard as shown.



5. Run the LCD power cable along the cable channel as shown using all available cable clips.



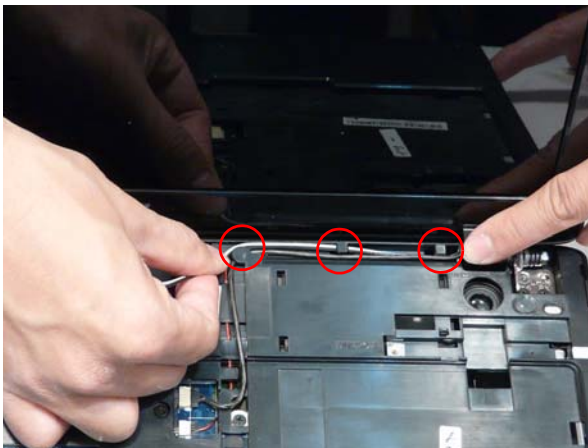
6. Connect the power cable to the Mainboard as shown.



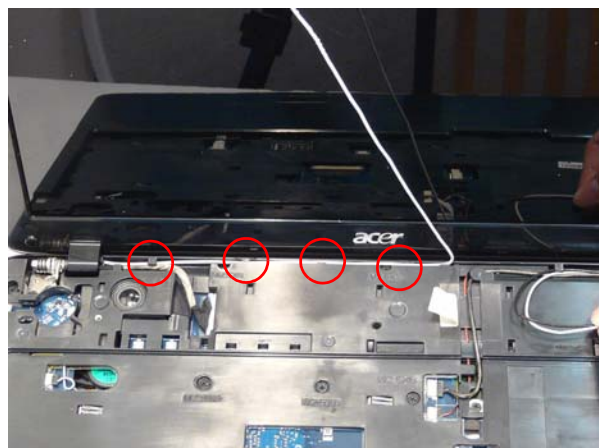
7. Push the antenna cables through the chassis and pull them all the way through from the underside.



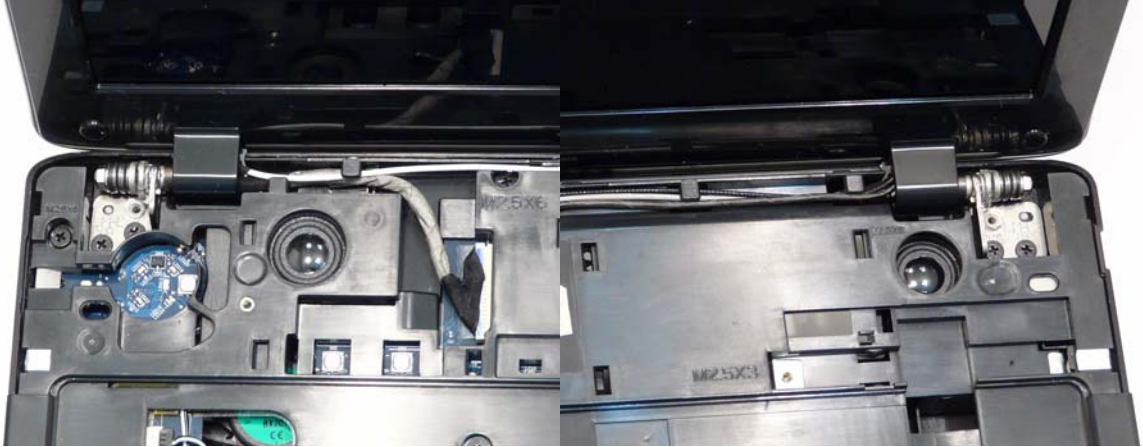
8. Run the right side cables along the cable channel as shown, using all available cable clips.



9. Run the left side cables along the cable channel as shown, using all available cable clips.



10. Ensure that the cables are securely clipped and are not trapped in the hinge wells.



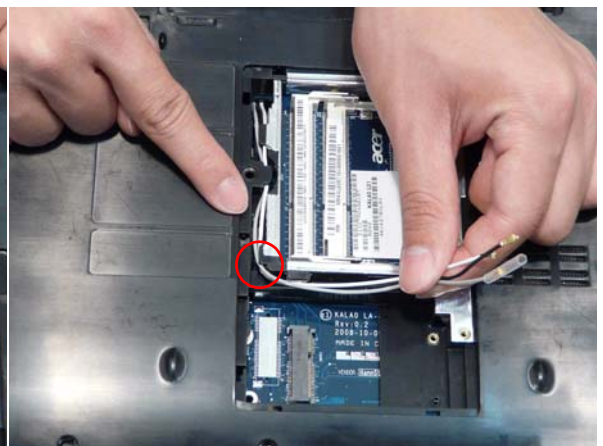
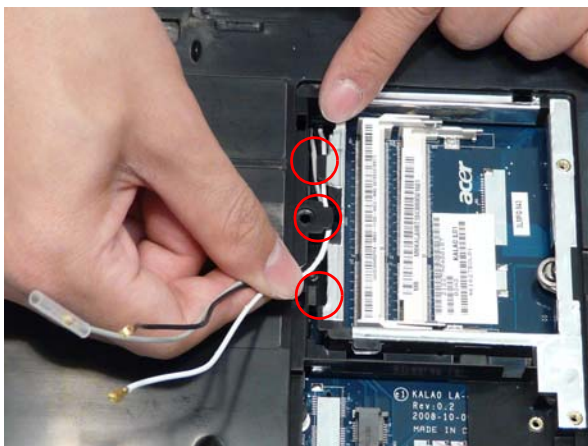
11. Place the antenna cables in the cable channel as shown using all available cable clips.



12. Replace the adhesive strip to secure the cables in place.



13. Turn the computer over and Run the antenna cable along the cable channel using all the available clips as shown.



14. Ensure that the cables run along the channel and are easily accessible from the WLAN bay.

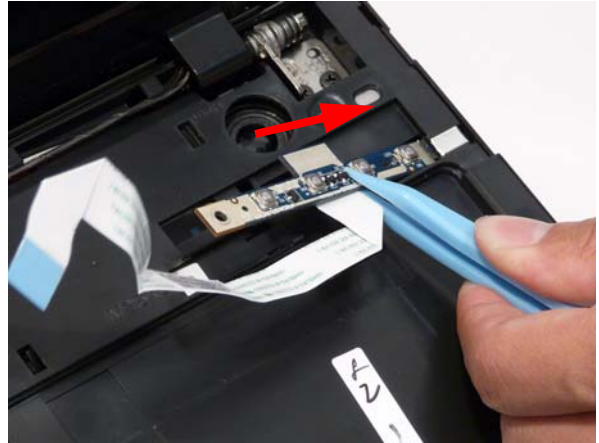


15. Replace the two securing screws as shown.

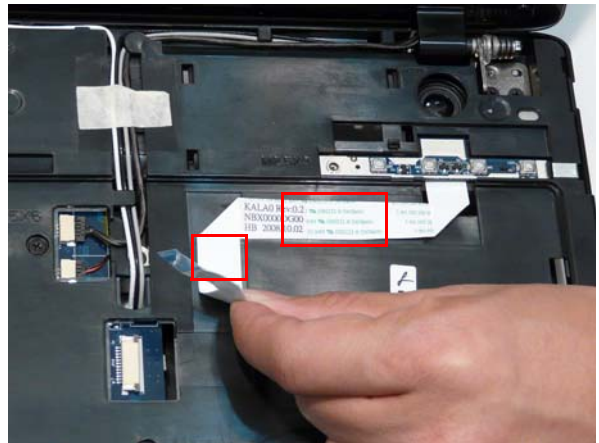


Replacing the Function Board

IMPORTANT: The Function Board must be inserted right side first, paying particular attention to the locating pin shown.



2. Lower the board in to the chassis as shown. Ensure that the locating pin is correctly inserted.
3. Press down on the FFC as indicated to secure the cable to the chassis.



4. Connect the FFC to the Mainboard and close the locking latch.
5. Replace the single securing screw.

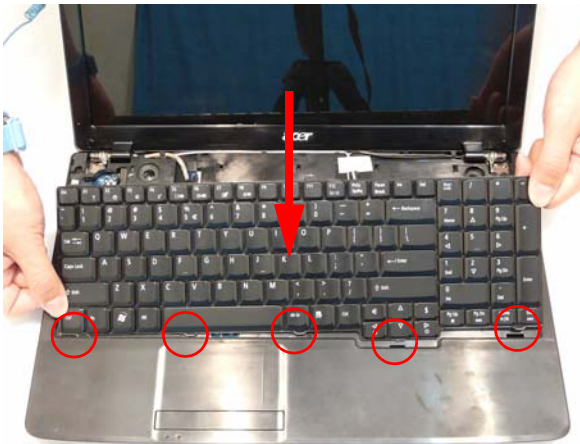


Replacing the Keyboard

1. Reconnect keyboard FFC to the mainboard, and secure the locking latch.

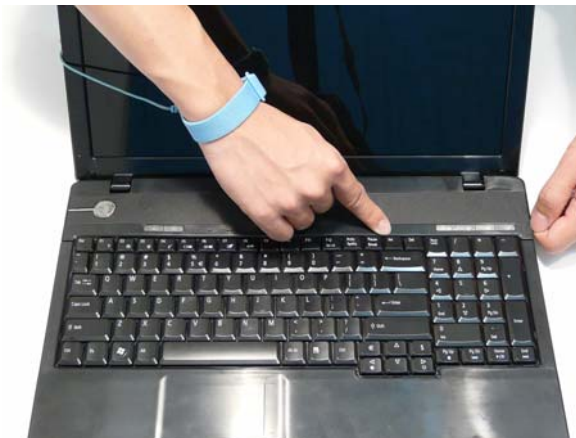


2. Slide the keyboard away from the LCD screen to engage the securing tabs on the keyboard.
3. Press down around the edges of the Keyboard to secure it in place.



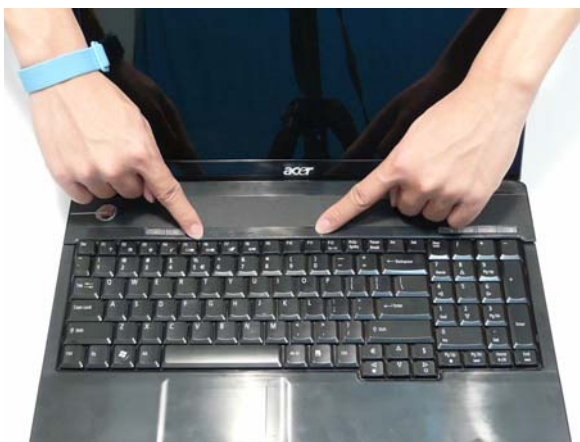
Replacing the Switch Cover

1. Place the Switch Cover left side first on to the upper case as shown.
2. Press down on the sides of the cover to secure it in place.



3. Press down the centre of the cover to secure it in place.
4. Turn the computer over and secure the single securing screw.

NOTE: The Switch Cover securing screw is not used on some production models.



Replacing the WLAN Module

1. Insert the WLAN board into the WLAN socket.
2. Replace the single screw to secure the module.

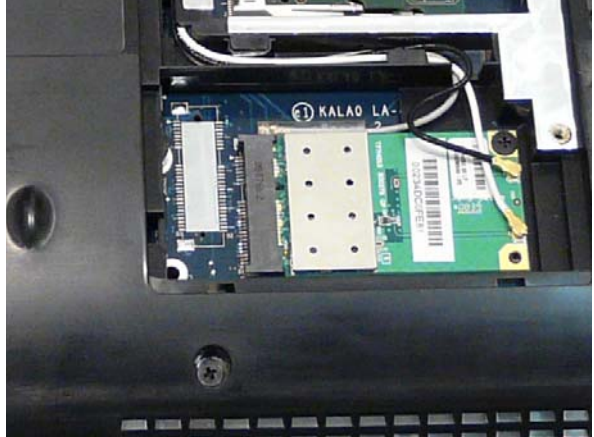


3. Connect the two antenna cables to the module.

NOTE: The black antenna cable connects to the upper terminal and the white antenna cable to the lower terminal.

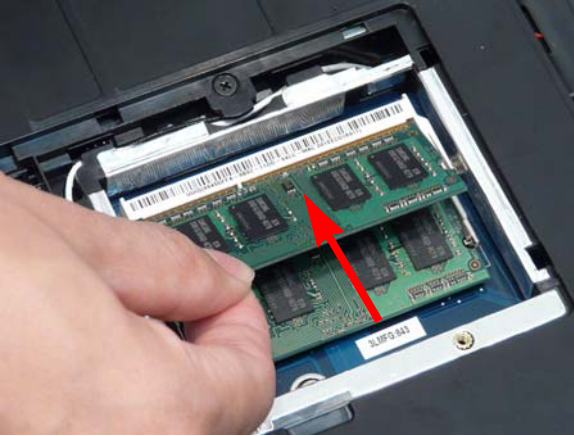


4. Tuck the gray cable down the side of the WLAN Module, as shown, to avoid trapping.

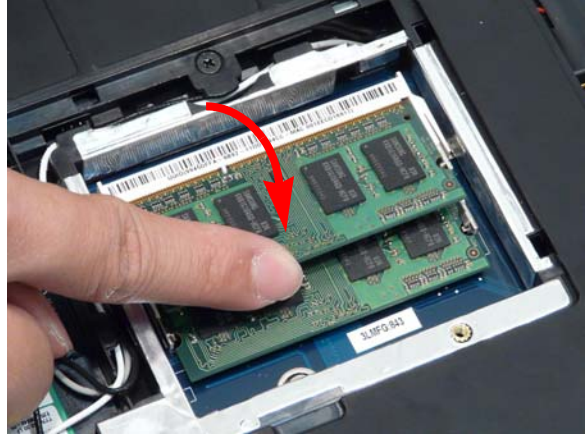


Replacing the DIMM Modules

1. Insert the DIMM Module in place.

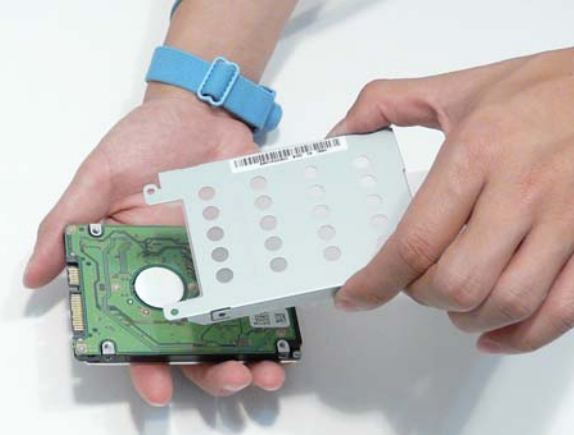


2. Press down to lock the DIMM module in place.

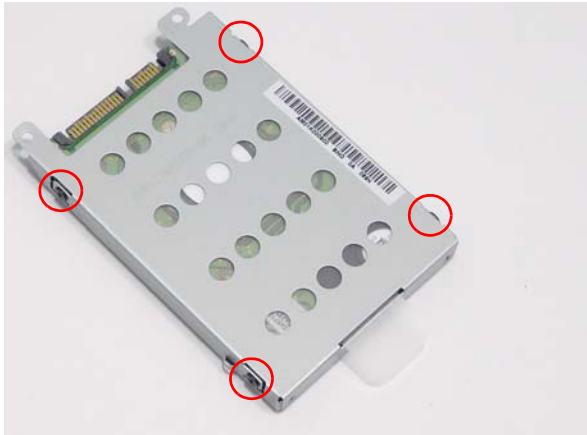


Replacing the Hard Disk Drive Module

1. Place the HDD in the HDD carrier.



2. Replace the four screws to secure the carrier.



3. Insert the HDD, interface side first, and lower it into place.

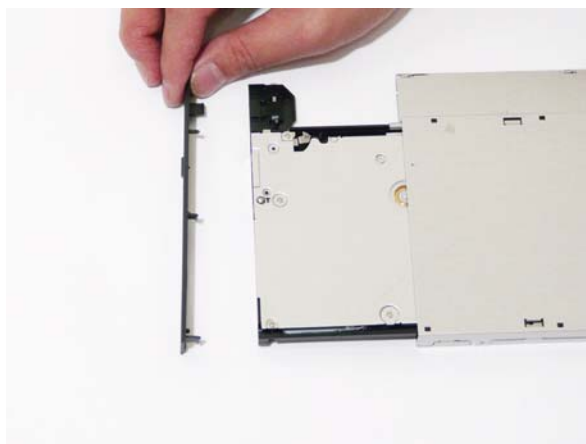


4. Slide the HDD in the direction of the arrow to connect the interface.



Replacing the ODD Module

1. With the ODD tray in the eject position, replace the ODD cover on the new ODD Module.
2. Press the cover into the tray, bottom edge first, to secure.



3. Secure ODD bracket with two screws.



4. Slide the module in to the chassis and press until the module is flush with the chassis.



5. Replace the single screw to secure the Module.



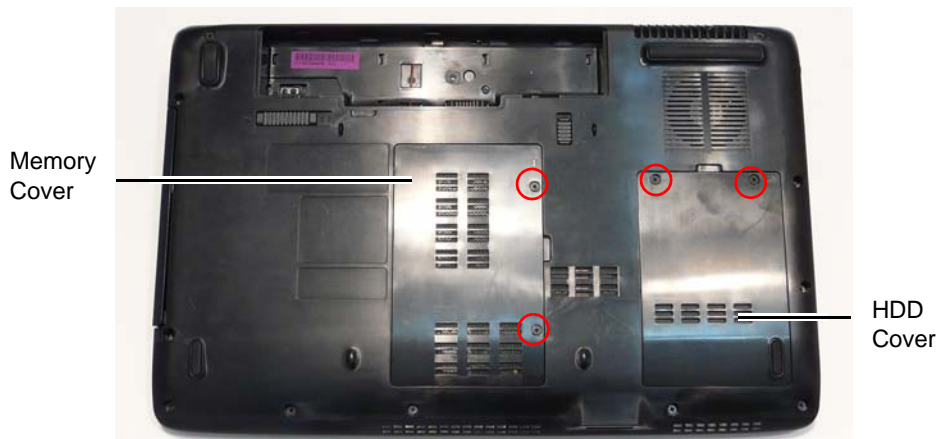
Replacing the Lower Covers

1. Replace the Memory Cover back edge first as shown.
2. Press down the left side as shown.



IMPORTANT: Ensure that all the securing tabs are correctly located in the casing.

3. Secure the four captive screws.



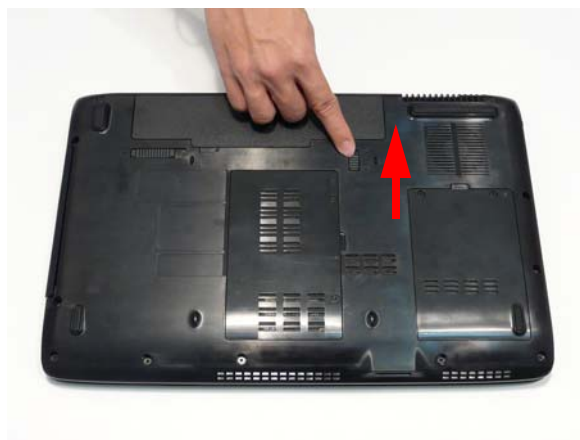
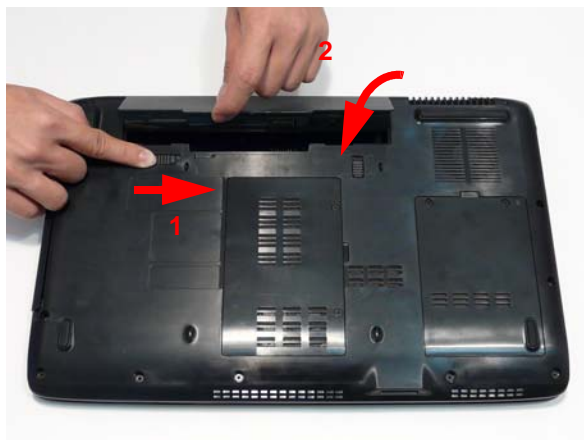
Replacing the SD Dummy Card

Push the SD Dummy into the slot until an audible click indicates that the card is correctly inserted.



Replacing the Battery

1. Slide and hold the battery release latch to the release position (1), insert the battery pack and press down (2).
2. Slide the battery lock in the direction shown to secure the battery in place.



Troubleshooting

Common Problems

Use the following procedure as a guide for computer problems.

NOTE: The diagnostic tests are intended to test only Acer products. Non-Acer products, prototype cards, or modified options can give false errors and invalid system responses.

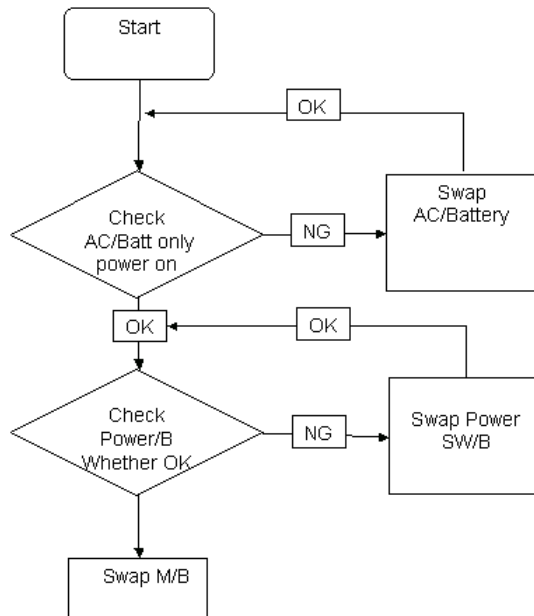
1. Obtain the failing symptoms in as much detail as possible.
2. Verify the symptoms by attempting to re-create the failure by running the diagnostic test or by repeating the same operation.
3. Use the following table with the verified symptom to determine which page to go to.

Symptoms (Verified)	Go To
Power On Issue	Page 120
No Display Issue	Page 121
LCD Failure	Page 123
Internal Keyboard Failure	Page 123
TouchPad Failure	Page 124
Internal Speaker Failure	Page 124
Internal Microphone Failure	Page 126
ODD Failure	Page 128
Modem Failure	Page 131
WLAN Failure	Page 131
Thermal Unit Failure	Page 132
Other Functions Failure	Page 133
Intermittent Failures	Page 134
Undermined Failures	Page 134

4. If the Issue is still not resolved, see "Online Support Information" on page 175.

Power On Issue

If the system doesn't power on, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRUs:



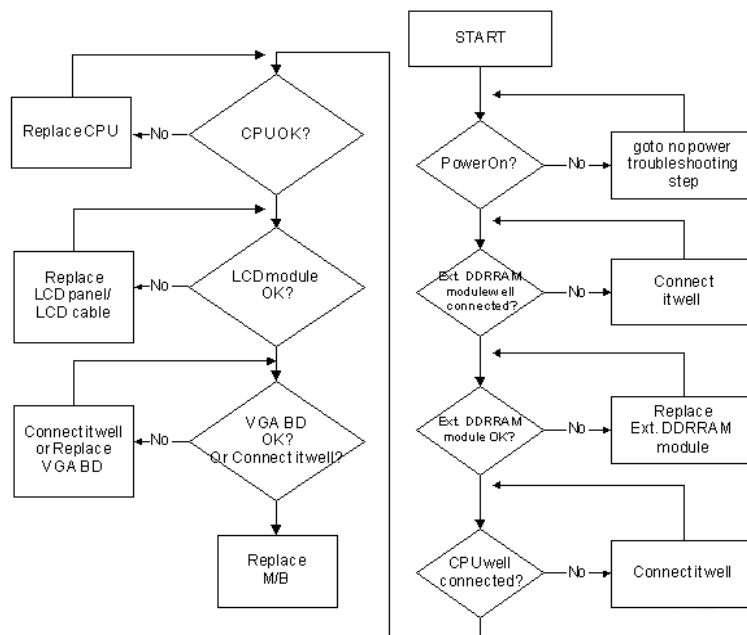
Computer Shutdown Intermittently

If the system powers off at intervals, perform the following actions one at a time to correct the problem.

1. Check the power cable is properly connected to the computer and the electrical outlet.
2. Remove any extension cables between the computer and the outlet.
3. Remove any surge protectors between the computer and the electrical outlet. Plug the computer directly into a known good electrical outlet.
4. Disconnect the power and open the casing to check the Thermal Unit (see "Thermal Unit Failure" on page 132) and fan airways are free of obstructions.
5. Remove all external and non-essential hardware connected to the computer that are not necessary to boot the computer to the failure point.
6. Remove any recently installed software.
7. If the Issue is still not resolved, see "Online Support Information" on page 175.

No Display Issue

If the **Display** doesn't work, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRUs:



No POST or Video

If the POST or video doesn't display, perform the following actions one at a time to correct the problem.

1. Make sure that the internal display is selected. On this notebook model, switching between the internal display and the external display is done by pressing **Fn+F5**. Reference Product pages for specific model procedures.
2. Make sure the computer has power by checking at least one of the following occurs:
 - Fans start up
 - Status LEDs light up

If there is no power, see “Power On Issue” on page 120.

3. Drain any stored power by removing the power cable and battery and holding down the power button for 10 seconds. Reconnect the power and reboot the computer.
4. Connect an external monitor to the computer and switch between the internal display and the external display is by pressing **Fn+F5** (on this model).

If the POST or video appears on the external display, see “LCD Failure” on page 123.

5. Disconnect power and all external devices including port replicators or docking stations. Remove any memory cards and CD/DVD discs. Restart the computer.

If the computer boots correctly, add the devices one by one until the failure point is discovered.

6. Reseat the memory modules.
7. Remove the drives (see “Disassembly Process” on page 42).
8. If the Issue is still not resolved, see “Online Support Information” on page 175.

Abnormal Video Display

If video displays abnormally, perform the following actions one at a time to correct the problem.

1. Reboot the computer.
2. If permanent vertical/horizontal lines or dark spots display in the same location, the LCD is faulty and should be replaced. See “Disassembly Process” on page 42.
3. If extensive pixel damage is present (different colored spots in the same locations on the screen), the LCD is faulty and should be replaced. See “Disassembly Process” on page 42.
4. Adjust the brightness to its highest level. See the User Manual for instructions on adjusting settings.
NOTE: Ensure that the computer is not running on battery alone as this may reduce display brightness.
If the display is too dim at the highest brightness setting, the LCD is faulty and should be replaced. See “Disassembly Process” on page 42.
5. Check the display resolution is correctly configured:
 - a. Minimize or close all Windows.
 - b. If display size is only abnormal in an application, check the view settings and control/mouse wheel zoom feature in the application.
 - c. If desktop display resolution is not normal, right-click on the desktop and select **Personalize**→ **Display Settings**.
 - d. Click and drag the Resolution slider to the desired resolution.
 - e. Click **Apply** and check the display. Readjust if necessary.
6. Roll back the video driver to the previous version if updated.
7. Remove and reinstall the video driver.
8. Check the Device Manager to determine that:
 - The device is properly installed. There are no red Xs or yellow exclamation marks.
 - There are no device conflicts.
 - No hardware is listed under Other Devices.
9. If the Issue is still not resolved, see “Online Support Information” on page 175.
10. Run the Windows Memory Diagnostic from the operating system DVD and follow the onscreen prompts.
11. If the Issue is still not resolved, see “Online Support Information” on page 175.

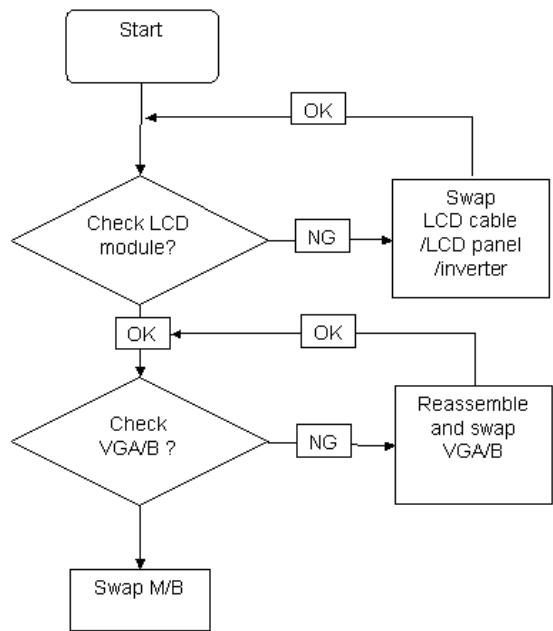
Random Loss of BIOS Settings

If the computer is experiencing intermittent loss of BIOS information, perform the following actions one at a time to correct the problem.

1. If the computer is more than one year old, replace the CMOS battery.
2. Run a complete virus scan using up-to-date software to ensure the computer is virus free.
3. If the computer is experiencing HDD or ODD BIOS information loss, disconnect and reconnect the power and data cables between devices.
If the BIOS settings are still lost, replace the cables.
4. If HDD information is missing from the BIOS, the drive may be defective and should be replaced.
5. Replace the Motherboard.
6. If the Issue is still not resolved, see “Online Support Information” on page 175.

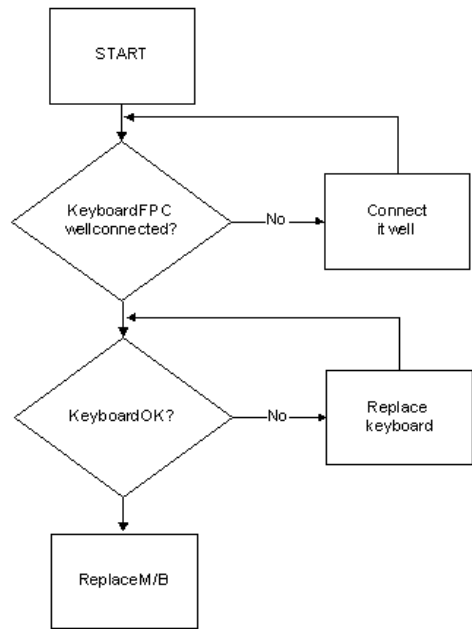
LCD Failure

If the **LCD** fails, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRUs:



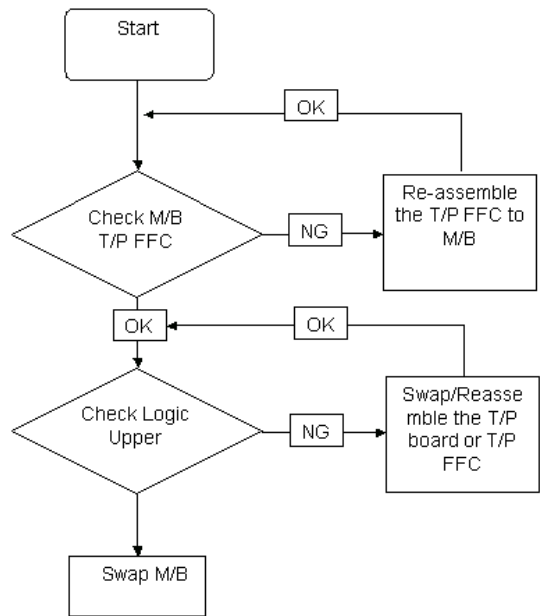
Built-In Keyboard Failure

If the built-in **Keyboard** fails, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRUs:



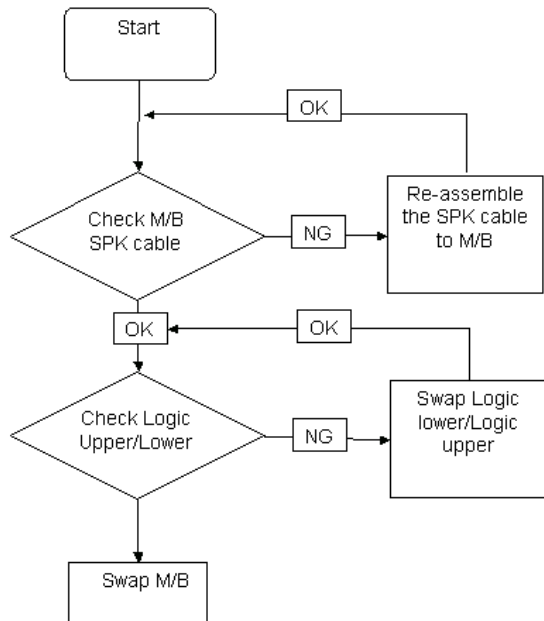
TouchPad Failure

If the **TouchPad** doesn't work, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRUs:



Internal Speaker Failure

If the internal **Speakers** fail, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRUs:



Sound Problems

If sound problems are experienced, perform the following actions one at a time to correct the problem.

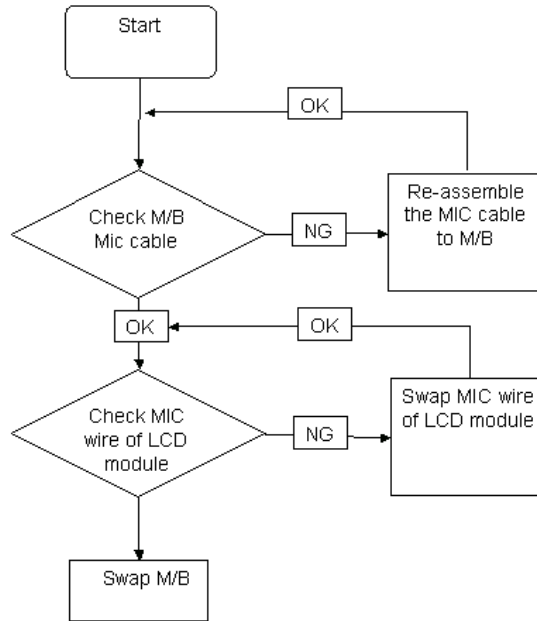
1. Reboot the computer.
2. Navigate to **Start**→ **Control Panel**→ **System and Maintenance**→ **System**→ **Device Manager**. Check the Device Manager to determine that:
 - The device is properly installed.
 - There are no red Xs or yellow exclamation marks.
 - There are no device conflicts.
 - No hardware is listed under Other Devices.
3. Roll back the audio driver to the previous version, if updated recently.
4. Remove and reinstall the audio driver.
5. Ensure that all volume controls are set mid range:
 - a. Click the volume icon on the taskbar and drag the slider to 50. Ensure that the volume is not muted.
 - b. Click Mixer to verify that other audio applications are set to 50 and not muted.
6. Navigate to **Start**→ **Control Panel**→ **Hardware and Sound**→ **Sound**. Ensure that Speakers are selected as the default audio device (green check mark).

NOTE: If Speakers does not show, right-click on the **Playback** tab and select **Show Disabled Devices** (clear by default).
7. Select Speakers and click **Configure** to start **Speaker Setup**. Follow the onscreen prompts to configure the speakers.
8. Remove and recently installed hardware or software.
9. Restore system and file settings from a known good date using **System Restore**.

If the issue is not fixed, repeat the preceding steps and select an earlier time and date.
10. Reinstall the Operating System.
11. If the Issue is still not resolved, see “Online Support Information” on page 175.

Internal Microphone Failure

If the internal **Microphone** fails, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRUs:



Microphone Problems

If internal or external **Microphones** do not operate correctly, perform the following actions one at a time to correct the problem.

1. Check that the microphone is enabled. Navigate to **Start** → **Control Panel** → **Hardware and Sound** → **Sound** and select the **Recording** tab.
2. Right-click on the **Recording** tab and select **Show Disabled Devices** (clear by default).
3. The microphone appears on the **Recording** tab.
4. Right-click on the microphone and select **Enable**.
5. Select the microphone then click **Properties**. Select the **Levels** tab.
6. Increase the volume to the maximum setting and click **OK**.
7. Test the microphone hardware:
 - a. Select the microphone and click **Configure**.
 - b. Select **Set up microphone**.
 - c. Select the microphone type from the list and click **Next**.
 - d. Follow the onscreen prompts to complete the test.
8. If the Issue is still not resolved, see "Online Support Information" on page 175.

HDD Not Operating Correctly

If the **HDD** does not operate correctly, perform the following actions one at a time to correct the problem.

1. Disconnect all external devices.
2. Run a complete virus scan using up-to-date software to ensure the computer is virus free.
3. Run the Windows Vista Startup Repair Utility:
 - a. insert the Windows Vista Operating System DVD in the ODD and restart the computer.
 - b. When prompted, press any key to start to the operating system DVD.
 - c. The **Install Windows** screen displays. Click **Next**.
 - d. Select **Repair your computer**.
 - e. The **System Recovery Options** screen displays. Click **Next**.
 - f. Select the appropriate operating system, and click **Next**.

NOTE: Click **Load Drivers** if controller drives are required.

- g. Select **Startup Repair**.
- h. Startup Repair attempts to locate and resolve issues with the computer.
- i. When complete, click **Finish**.

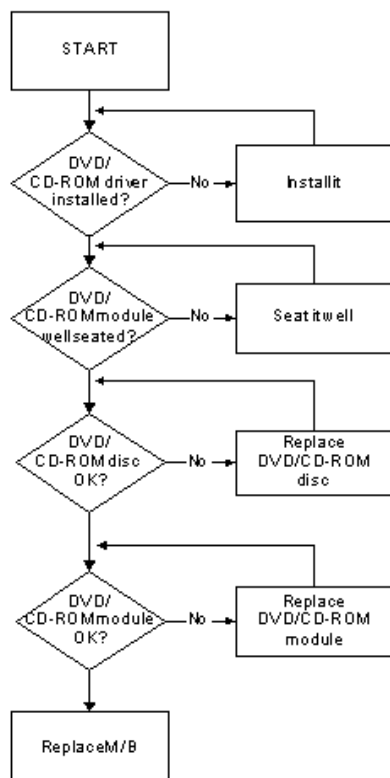
If an issue is discovered, follow the onscreen information to resolve the problem.

4. Run the Windows Memory Diagnostic Tool. For more information see Windows Help and Support.
5. Restart the computer and press F2 to enter the BIOS Utility. Check the BIOS settings are correct and that CD/DVD drive is set as the first boot device on the Boot menu.
6. Ensure all cables and jumpers on the HDD and ODD are set correctly.
7. Remove any recently added hardware and associated software.
8. Run the Windows Disk Defragmenter. For more information see Windows Help and Support.
9. Run Windows Check Disk by entering **chkdsk /r** from a command prompt. For more information see Windows Help and Support.
10. Restore system and file settings from a known good date using **System Restore**.

If the issue is not fixed, repeat the preceding steps and select an earlier time and date.
11. Replace the HDD. See "Disassembly Process" on page 42.

ODD Failure

If the **ODD** fails, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRUs:



ODD Not Operating Correctly

If the **ODD** exhibits any of the following symptoms it may be faulty:

- Audio CDs do not play when loaded
- DVDs do not play when loaded
- Blank discs do not burn correctly
- DVD or CD play breaks up or jumps
- Optical drive not found or not active:
 - Not shown in My Computer or the BIOS setup
 - LED does not flash when the computer starts up
 - The tray does not eject
- Access failure screen displays
- The ODD is noisy

Perform the following general solutions one at a time to correct the problem.

1. Reboot the computer and retry the operation.
2. Try an alternate disc.
3. Navigate to **Start** → **Computer**. Check that the ODD device is displayed in the **Devices with Removable Storage** panel.
4. Navigate to **Start** → **Control Panel** → **System and Maintenance** → **System** → **Device Manager**.

-
- a. Double-click **IDE ATA/ATAPI controllers**. If a device displays a down arrow, right-click on the device and click **Enable**.
 - b. Double-click **DVD/CD-ROM drives**. If the device displays a down arrow, right-click on the device and click **Enable**.
 - c. Check that there are no yellow exclamation marks against the items in **IDE ATA/ATAPI controllers**. If a device has an exclamation mark, right-click on the device and uninstall and reinstall the driver.
 - d. Check that there are no yellow exclamation marks against the items in **DVD/CD-ROM drives**. If a device has an exclamation mark, right-click on the device and uninstall and reinstall the driver.
 - e. If the exclamation marker is not removed from the item in the lists, try removing any recently installed software and retrying the operation.

Discs Do Not Play

If discs do not play when inserted in the drive, perform the following actions one at a time to correct the problem.

1. Check that the disc is correctly seated in the drive tray and that the label on the disc is visible.
2. Check that the media is clean and scratch free.
3. Try an alternate disc in the drive.
4. Ensure that **AutoPlay** is enabled:
 - a. Navigate to **Start**→ **Control Panel**→ **Hardware and Sound**→ **AutoPlay**.
 - b. Select **Use AutoPlay for all media and devices**.
 - c. In the Audio CD and DVD Movie fields, select the desired player from the drop down menu.
5. Check that the Regional Code is correct for the selected media:

IMPORTANT:Region can only be changed a limited number of times. After Changes remaining reaches zero, the region cannot be changed even Windows is reinstalled or the drive is moved to another computer.

- a. Navigate to **Start**→ **Control Panel**→ **System and Maintenance**→ **System**→ **Device Manager**.
- b. Double-click **DVD/CD-ROM drives**.
- c. Right-click **DVD drive** and click **Properties**, then click the **DVD Region** tab.
- d. Select the region suitable for the media inserted in the drive.

Discs Do Not Burn Properly

If discs can not be burned, perform the following actions one at a time to correct the problem.

1. Ensure that the default drive is record enabled:
 - a. Navigate to **Start**→ **Computer** and right-click the writable ODD icon. Click **Properties**.
 - b. Select the **Recording** tab. In the **Desktop disc recording** panel, select the writable ODD from the drop down list.
 - c. Click **OK**.
2. Ensure that the software used for burning discs is the factory default. If using different software, refer to the software's user manual.

Playback is Choppy

If playback is choppy or jumps, perform the following actions one at a time to correct the problem.

1. Check that system resources are not running low:
 - a. Try closing some applications.
 - b. Reboot and try the operation again.
2. Check that the ODD controller transfer mode is set to DMA:
 - a. Navigate to **Start**→ **Control Panel**→ **System and Maintenance**→ **System**→ **Device Manager**.

-
- b. Double-click **IDE ATA/ATAPI controllers**, then right-click ATA Device 0.
 - c. Click **Properties** and select the **Advanced Settings** tab. Ensure that the **Enable DMA** box is checked and click **OK**.
 - d. Repeat for the other ATA Devices shown if applicable.

Drive Not Detected

If Windows cannot detect the drive, perform the following actions one at a time to correct the problem.

1. Restart the computer and press F2 to enter the BIOS Utility.
2. Check that the drive is detected in the **ATAPI Model Name** field on the Information page.
NOTE: Check that the entry is identical to one of the ODDs specified in “Hardware Specifications and Configurations” on page 17.
3. Turn off the power and remove the cover to inspect the connections to the ODD. See “Disassembly Process” on page 42.
 - a. Check for broken connectors on the drive, motherboard, and cables.
 - b. Check for bent or broken pins on the drive, motherboard, and cable connections.
 - c. Try an alternate cable, if available. If the drive works with the new cable, the original cable should be replaced.
4. Reseat the drive ensuring and all cables are connected correctly.
5. Replace the ODD. See “Disassembly Process” on page 42.

Drive Read Failure

If discs cannot be read when inserted in the drive, perform the following actions one at a time to correct the problem.

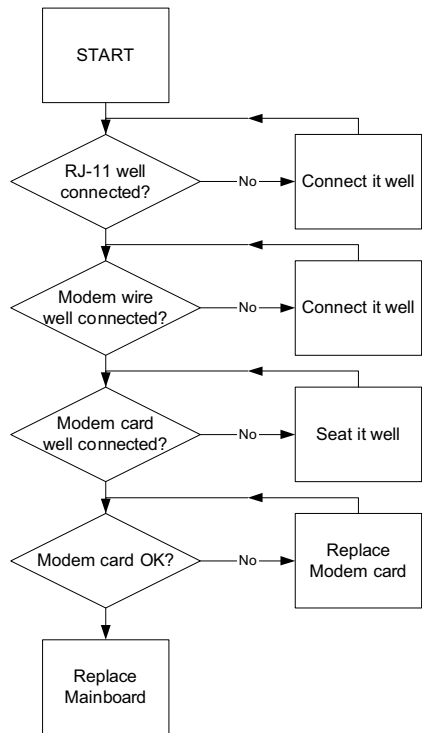
1. Remove and clean the failed disc.
2. Retry reading the CD or DVD.
 - d. Test the drive using other discs.
 - e. Play a DVD movie
 - f. Listen to a music CD

If the ODD works properly with alternate discs, the original disc is probably defective and should be replaced.

3. Turn off the power and remove the cover to inspect the connections to the ODD. See “Disassembly Process” on page 42.
 - a. Check for broken connectors on the drive, motherboard, and cables.
 - b. Check for bent or broken pins on the drive, motherboard, and cable connections.
 - c. Try an alternate cable, if available. If the drive works with the new cable, the original cable should be replaced.
4. Replace the ODD. See “Disassembly Process” on page 42.

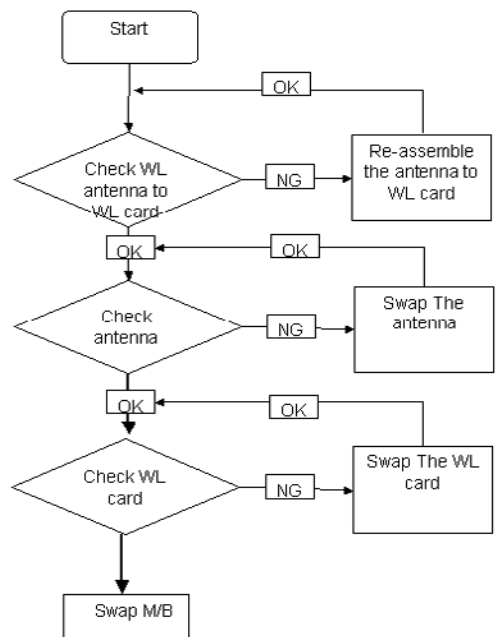
Modem Function Failure

If the internal **Modem** fails, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRUs:



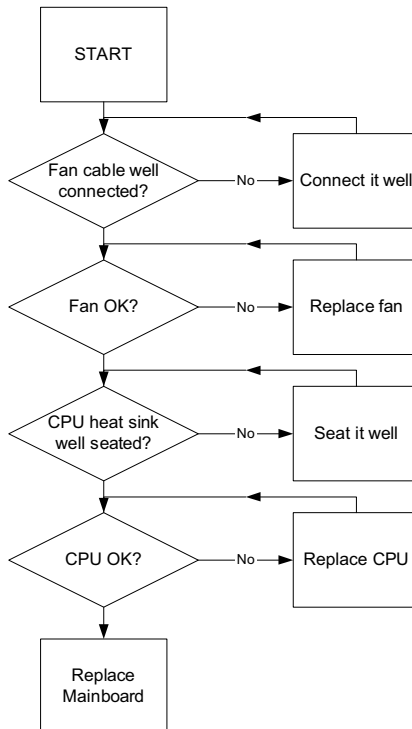
Wireless Function Failure

If the **WLAN** fails, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRUs:



Thermal Unit Failure

If the **Thermal Unit** fails, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRUs:



External Mouse Failure

If an external **Mouse** fails, perform the following actions one at a time to correct the problem.

1. Try an alternative mouse.
2. If the mouse uses a wireless connection, insert new batteries and confirm there is a good connection. See the mouse user manual.
3. If the mouse uses a USB connection, try an alternate USB port.
4. Try an alternative program to verify mouse operation. Reinstall the program experiencing mouse failure.
5. Restart the computer.
6. Remove any recently added hardware and associated software.
7. Remove any recently added software and reboot.
8. Restore system and file settings from a known good date using **System Restore**.
If the issue is not fixed, repeat the preceding steps and select an earlier time and date.
9. Run the Event Viewer to check the events log for errors. For more information see Windows Help and Support.
10. Roll back the mouse driver to the previous version if updated recently.
11. Remove and reinstall the mouse driver.
12. Check the Device Manager to determine that:
 - The device is properly installed. There are no red Xs or yellow exclamation marks.
 - There are no device conflicts.

-
- No hardware is listed under Other Devices.

13. If the Issue is still not resolved, see “Online Support Information” on page 175.

Other Failures

If the CRT Switch, Dock, LAN Port, external MIC or Speakers, PCI Express Card, 5-in-1 Card Reader or Volume Wheel fail, perform the following general steps to correct the problem. Do not replace a non-defective FRUs:

- 1.** Check Drive whether is OK.
- 2.** Check Test Fixture is ok.
- 3.** Swap M/B to Try.

Intermittent Problems

Intermittent system hang problems can be caused by a variety of reasons that have nothing to do with a hardware defect, such as: cosmic radiation, electrostatic discharge, or software errors. FRU replacement should be considered only when a recurring problem exists.

When analyzing an intermittent problem, do the following:

1. Run the advanced diagnostic test for the system board in loop mode at least 10 times.
2. If no error is detected, do not replace any FRU.
3. If any error is detected, replace the FRU. Rerun the test to verify that there are no more errors.

Undetermined Problems

The diagnostic problems does not identify which adapter or device failed, which installed devices are incorrect, whether a short circuit is suspected, or whether the system is inoperative.

Follow these procedures to isolate the failing FRU (do not isolate non-defective FRU).

NOTE: Verify that all attached devices are supported by the computer.

NOTE: Verify that the power supply being used at the time of the failure is operating correctly. (See “Power On Issue” on page 120.):

1. Power-off the computer.
2. Visually check them for damage. If any problems are found, replace the FRU.
3. Remove or disconnect all of the following devices:
 - Non-Acer devices
 - Printer, mouse, and other external devices
 - Battery pack
 - Hard disk drive
 - DIMM
 - CD-ROM/Diskette drive Module
 - PC Cards
4. Power-on the computer.
5. Determine if the problem has changed.
6. If the problem does not recur, reconnect the removed devices one at a time until you find the failing FRU.
7. If the problem remains, replace the following FRU one at a time. Do not replace a non-defective FRU:
 - System board
 - LCD assembly

Post Codes

These tables describe the POST codes and descriptions during the POST.

Chipset POST Codes

The following table details the chipset POST codes and functions used in the POST.

Code	Beeps	POST Routine Description
02h		Verify Real Mode
03h		Disable Non-Maskable Interrupt (NMI)
04h		Get CPU type
06h		Initialize system hardware
08h		Initialize chipset with initial POST values
09h		Set IN POST flag
0Ah		Initialize CPU registers
0Bh		Enable CPU cache
0Ch		Initialize caches to initial POST values
0Eh		Initialize I/O component
0Fh		Initialize the local bus IDE
10h		Initialize Power Management
11h		Load alternate registers with initial POST values
12h		Restore CPU control word during warm boot
13h		Initialize PCI Bus Mastering devices
14h		Initialize keyboard controller
16h	1-2-2-3	BIOS ROM checksum
17h		Initialize cache before memory autosize
18h	8254	timer initialization
1Ah	8237	DMA controller initialization
1Ch		Reset Programmable Interrupt Controller
20h	1-3-1-1	Test DRAM refresh
22h	1-3-1-3	Test 8742 Keyboard Controller
24h		Set ES segment register to 4 GB
26h		Enable A20 line
28h		Autosize DRAM
29h		Initialize POST Memory Manager
2Ah		Clear 512 KB base RAM
2Ch	1-3-4-1	RAM failure on address line xxxx*
2Eh	1-3-4-3	RAM failure on data bits xxxx* of low byte of memory bus
2Fh		Enable cache before system BIOS shadow
30h	1-4-1-1	RAM failure on data bits xxxx* of high byte of memory bus
32h		Test CPU bus-clock frequency
33h		Initialize Phoenix Dispatch Manager
36h		Warm start shut down
38h		Shadow system BIOS ROM
3Ah		Autosize cache

Code	Beeps	POST Routine Description
3Ch		Advanced configuration of chipset registers
3Dh		Load alternate registers with CMOS values
42h		Initialize interrupt vectors
45h		POST device initialization
46h	2-1-2-3	Check ROM copyright notice
48h		Check video configuration against CMOS
49h		Initialize PCI bus and devices
4Ah		Initialize all video adapters in system
4Bh		QuietBoot start (optional)
4Ch		Shadow video BIOS ROM
4Eh		Display BIOS copyright notice
50h		Display CPU type and speed
51h		Initialize EISA board
52h		Test keyboard
54h		Set key click if enabled
58h	2-2-3-1	Test for unexpected interrupts
59h		Initialize POST display service
5Ah		Display prompt Press F2 to enter SETUP
5Bh		Disable CPU cache
5Ch		Test RAM between 512 and 640 KB
60h		Test extended memory
62h		Test extended memory address lines
64h		Jump to UserPatch1
66h		Configure advanced cache registers
67h		Initialize Multi Processor APIC
68h		Enable external and CPU caches
69h		Setup System Management Mode (SMM) area
6Ah		Display external L2 cache size
6Bh		Load custom defaults (optional)
6Ch		Display shadow-area message
6Eh		Display possible high address for UMB recovery
70h		Display error messages
72h		Check for configuration errors
76h		Check for keyboard errors
7Ch		Set up hardware interrupt vectors
7Eh		Initialize coprocessor if present
80h		Disable onboard Super I/O ports and IRQs
81h		Late POST device initialization
82h		Detect and install external RS232 ports
83h		Configure non-MCD IDE controllers
84h		Detect and install external parallel ports
85h		Initialize PC-compatible PnP ISA devices
86h		Re-initialize onboard I/O ports.

Code	Beeps	POST Routine Description
87h		Configure Motherboard Configurable Devices (optional)
88h		Initialize BIOS Data Area
89h		Enable Non-Maskable Interrupts (NMIs)
8Ah		Initialize Extended BIOS Data Area
8Bh		Test and initialize PS/2 mouse
8Ch		Initialize floppy controller
8Fh		Determine number of ATA drives (optional)
90h		Initialize hard-disk controllers
91h		Initialize local-bus hard-disk controllers
92h		Jump to UserPatch2
93h		Build MPTABLE for multi-processor boards
95h		Install CD ROM for boot
96h		Clear huge ES segment register
97h		Fixup Multi Processor table
98h	1-2	Search for option ROMs. One long, two short beeps on checksum failure
99h		Check for SMART Drive (optional)
9Ah		Shadow option ROMs
9Ch		Set up Power Management
9Dh		Initialize security engine (optional)
9Eh		Enable hardware interrupts
9Fh		Determine number of ATA and SCSI drives
A0h		Set time of day
A2h		Check key lock
A4h		Initialize Typematic rate
A8h		Erase F2 prompt
AAh		Scan for F2 key stroke
ACH		Enter SETUP
A Eh		Clear Boot flag
B0h		Check for errors
B2h		POST done - prepare to boot operating system
B4h	1	One short beep before boot
B5h		Terminate QuietBoot (optional)
B6h		Check password (optional)
B9h		Prepare Boot
BAh		Initialize DMI parameters
BBh		Initialize PnP Option ROMs
BCh		Clear parity checkers
BDh		Display MultiBoot menu
BEh		Clear screen (optional)
BFh		Check virus and backup reminders
C0h		Try to boot with INT 19
C1h		Initialize POST Error Manager (PEM)
C2h		Initialize error logging

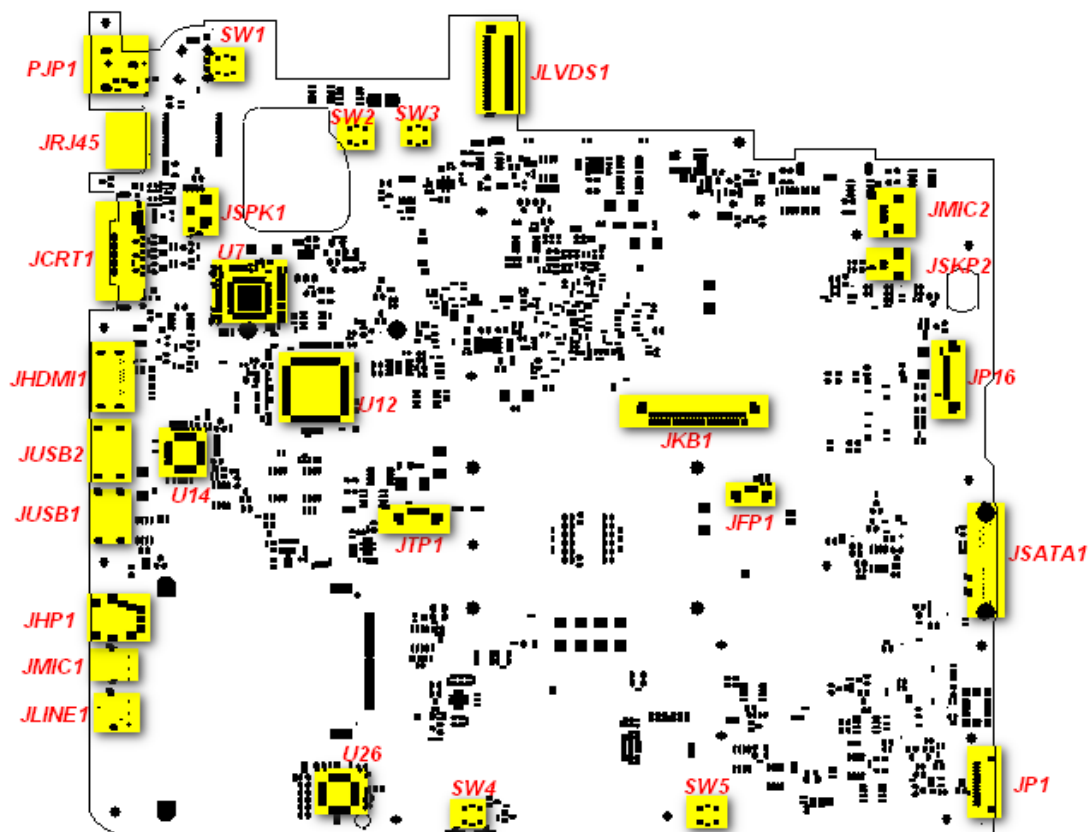
Code	Beeps	POST Routine Description
C3h		Initialize error display function
C4h		Initialize system error handler
C5h		PnPnd dual CMOS (optional)
C6h		Initialize notebook docking (optional)
C7h		Initialize notebook docking late
C8h		Force check (optional)
C9h		Extended checksum (optional)
D2h		Unknown interrupt

Code	Beeps	For Boot Block in Flash ROM
E0h		Initialize the chipset
E1h		Initialize the bridge
E2h		Initialize the CPU
E3h		Initialize system timer
E4h		Initialize system I/O
E5h		Check force recovery boot
E6h		Checksum BIOS ROM
E7h		Go to BIOS
E8h		Set Huge Segment
E9h		Initialize Multi Processor
EAh		Initialize OEM special code
EBh		Initialize PIC and DMA
ECh		Initialize Memory type
EDh		Initialize Memory size
EEh		Shadow Boot Block
EFh		System memory test
F0h		Initialize interrupt vectors
F1h		Initialize Run Time Clock
F2h		Initialize video
F3h		Initialize System Management Mode
F4h	1	Output one beep before boot
F5h		Boot to Mini DOS
F6h		Clear Huge Segment
F7h		Boot to Full DOS

* If the BIOS detects error 2C, 2E, or 30 (base 512K RAM error), it displays an additional word-bitmap (xxxx) indicating the address line or bits that failed. For example, **2C 0002** means address line 1 (bit one set) has failed. **2E 1020** means data bits 12 and 5 (bits 12 and 5 set) have failed in the lower 16 bits. Note that error 30 cannot occur on 386SX systems because they have a 16 rather than 32-bit bus. The BIOS also sends the bitmap to the port-80 LED display. It first displays the check point code, followed by a delay, the high-order byte, another delay, and then the low-order byte of the error. It repeats this sequence continuously.

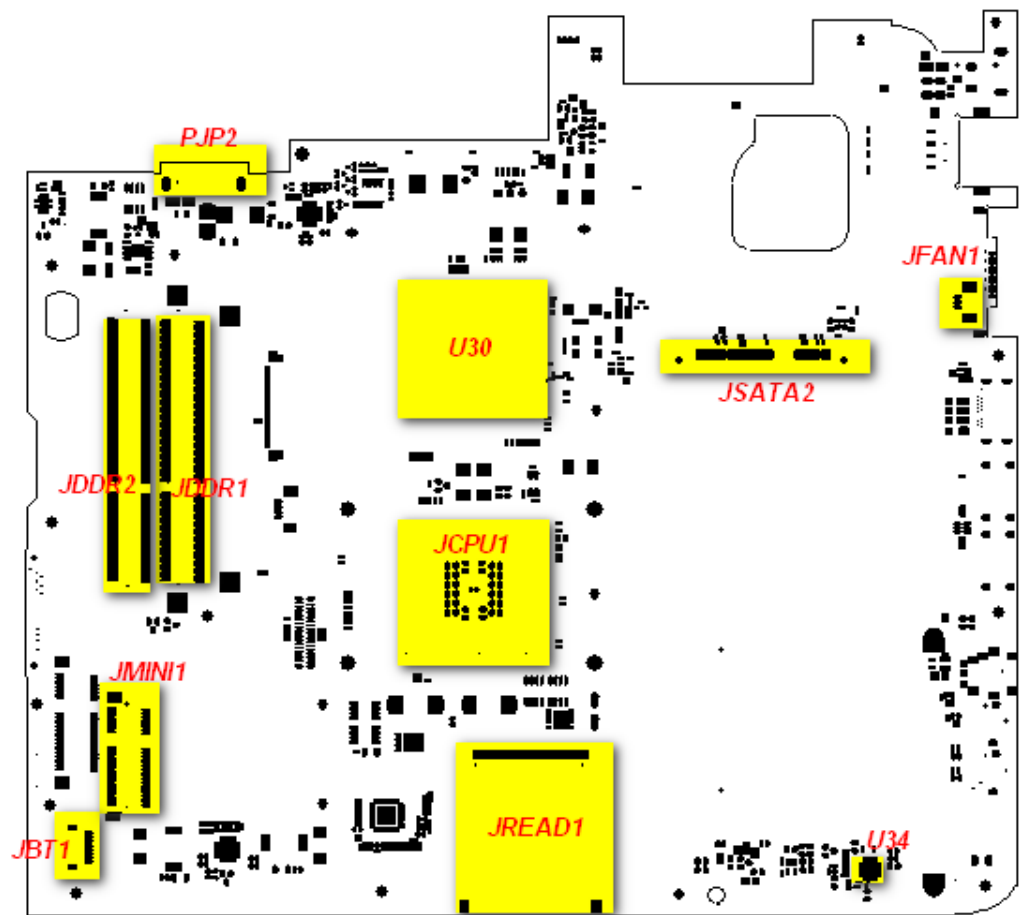
Jumper and Connector Locations

Top View



Item	Description	Item	Description
JLVDS1	LVDS Conn.	JFP1	Finger Printer Board Conn.
PJP1	DC-in Cable Conn.	JMIC2	Internal digital Mic. Conn.
JRJ45	RJ45 Conn.	JP16	Function Board Conn.
JSPK1	Internal Speaker Conn. (Left)	JSATA1	SATA ODD Conn.
JSKP2	Internal Speaker Conn. (Right)	JP1	USB board connector
JCRT1	CRT Conn.	SW1	Power button switch
JHDMI1	HDMI Conn.	SW2	Volume down switch
JUSB2	USB Conn.	SW3	Volume up switch
JUSB1	USB Conn.	SW4	Touch Pad button (Left)
JHP1	Headphone out JACK	SW5	Touch Pad button (Right)
JMIC1	Mic. JACK	U10	South Bridge ICH9M
JLINE1	Line-in JACK	U12	EC/ KBC ENE KB926
JTP1	Touch Pad Board Conn.	U14	Card Reader Host Controller (JMB385)
JKB1	Internal Keyboard connector	U26	Audio Codec (ALC888)

Bottom View



Item	Description		
JFAN1	FAN Conn.	JDDR2	DDR3 SO-DIMM Slot
JSATA2	SATA HDD Conn.	JDIMM1	SO-DIMM Slot (WLAN)
JCPU1	CPU Socket	JBT1	Bluetooth Conn.
JREAD1	Card Reader Conn.	U30	Chipset MCP79MX
PJP2	Battery connector	U34	Amplifier APA2051
JDDR1	DDR3 SO-DIMM Slot		

Clearing Password Check and BIOS Recovery

This section provide you the standard operating procedures of clearing password and BIOS recovery for Aspire 5737Z Series. Aspire 5737Z Series provides one Hardware Open Gap on main board for clearing password check, and one Hotkey for enabling BIOS Recovery.

Clearing Password Check

Hardware Open Gap Description

Item	Description	Location
CLRP2 (RTC (RST))	Clear CMOS Jumper	DIMM Bay



Steps for Clearing BIOS Password Check

If users set BIOS Password (Supervisor Password and/or User Password) for a security reason, BIOS will ask the password during systems POST or when systems enter to BIOS Setup menu. However, once it is necessary to bypass the password check, users need to short the HW Gap to clear the password by the following steps:

- Power Off a system, and remove HDD, AC and Battery from the machine.
- Open the back cover of the machine, and find out the HW Gap on M/B as picture.
- Use an electric conductivity tool to short the two points of the HW Gap.
- Plug in AC, keep the short condition on the HW Gap, and press Power Button to power on the system till BIOS POST finish. Then remove the tool from the HW Gap.
- Restart system. Press F2 key to enter BIOS Setup menu.
- If there is no Password request, BIOS Password is cleared. Otherwise, please follow the steps and try again.

NOTE: The steps are only for clearing BIOS Password (Supervisor Password and User Password).

BIOS Recovery by Crisis Disk

BIOS Recovery Boot Block:

BIOS Recovery Boot Block is a special block of BIOS. It is used to boot up the system with minimum BIOS initialization. Users can enable this feature to restore the BIOS firmware to a successful one once the previous BIOS flashing process failed.

BIOS Recovery Hotkey:

The system provides a function hotkey: **Fn+Esc**, for enable BIOS Recovery process when system is powered on during BIOS POST. To use this function, it is strongly recommended to have the AC adapter and Battery present. If this function is enabled, the system will force the BIOS to enter a special BIOS block, called Boot Block.

Steps for BIOS Recovery from USB Storage:

Before doing this, prepare the Crisis USB key. The Crisis USB key could be made by executing the Crisis Disk program in another system with Windows XP OS.

Follow the steps below:

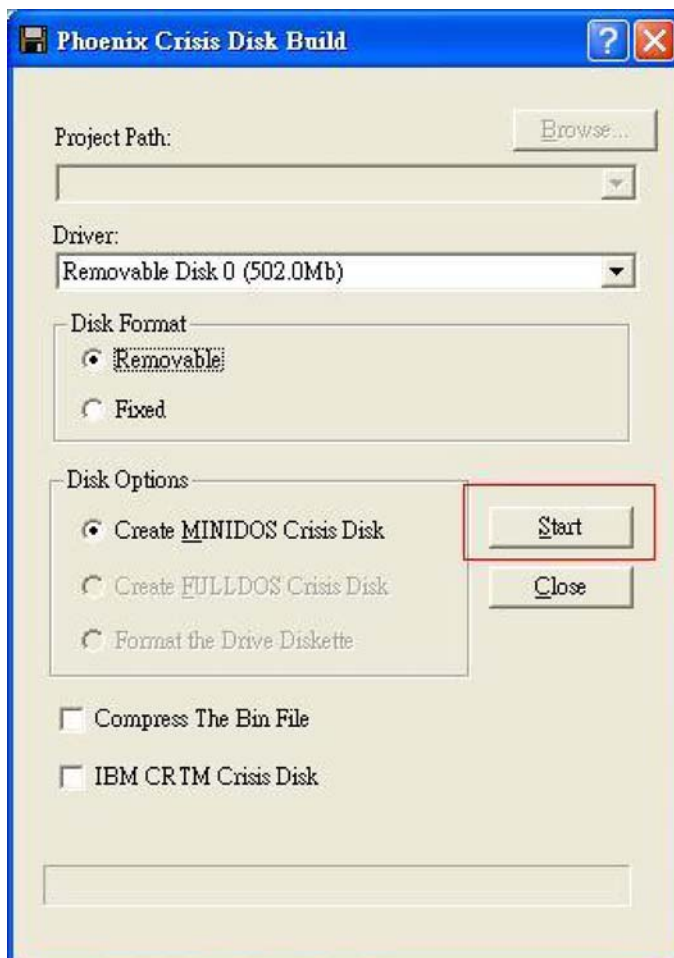
1. Save ROM file (file name: **JAL90x64.fd**) to the root directory of USB storage.
2. Plug USB storage into USB port.
3. Press **Fn + ESC** button then plug in AC.
The Power button flashes once.
4. Press **Power** button to initiate system CRISIS mode.
When CRISIS is complete, the system auto restarts with a workable BIOS.
5. Update the latest version BIOS for this machine by regular BIOS flashing process.

Steps for BIOS Recovery by Crisis Disk:

Before doing this, a Crisis Diskette should be prepared ready in hand. The Crisis Diskette could be made by executing the Crisis Disk program in another system with Windows XP OS.

Follow the steps below:

1. Power Off failed system.
2. Attach a USB floppy drive to the failed system.
3. Copy **xxxxx.wph** to tool's folder and rename it as **BIOS.wph**.
4. Execute **wincris.exe** to start the Crisis Disk Build.
5. Select **Removable** and click **Start**.



A confirmation screen displays.



6. Click the **OK** button on the left to continue.

-
7. Click the (N) button when prompted to complete the process.



8. Insert the Crisis Disk in to the USB floppy drive attached to the BIOS flash failed system.
9. In the power-off state, unplug the AC power and hold **Fn+Esc** then plug the AC power in.
10. Press the Power button.

The system powers on and the Crisis BIOS Recovery process begins.

BIOS Boot Block begins restoring the BIOS code from the Crisis floppy disk to BIOS ROM on the failed systems.

When the Crisis flash process is finished, the system restarts with a workable BIOS.

Update to the latest version BIOS for the system using the regular BIOS flashing process.

FRU (Field Replaceable Unit) List

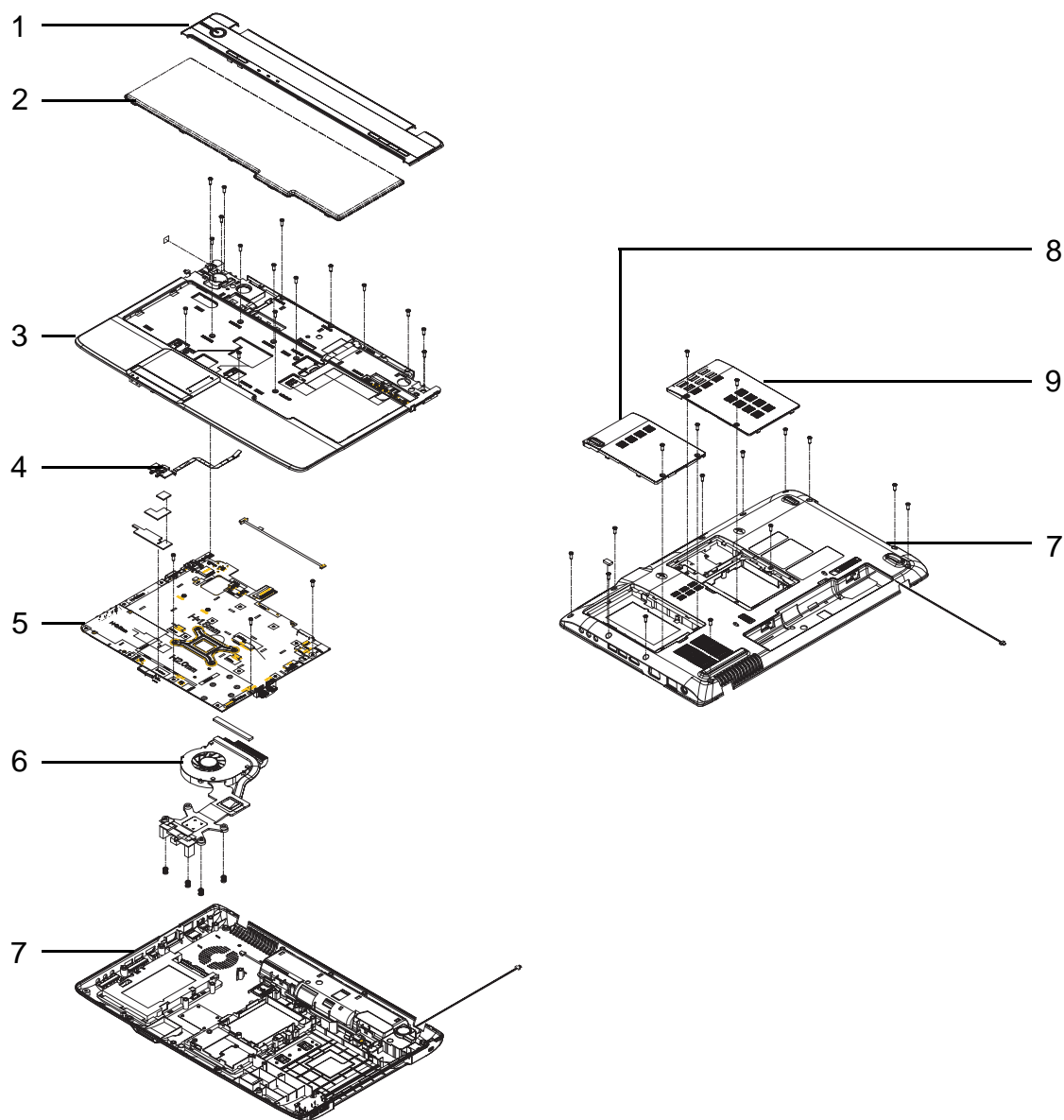
This chapter gives you the FRU (Field Replaceable Unit) listing in global configurations of Aspire 5737Z Series. Refer to this chapter whenever ordering for parts to repair or for RMA (Return Merchandise Authorization).

Please note that WHEN ORDERING FRU PARTS, you should check the most up-to-date information available on your regional web or channel. For whatever reasons a part number change is made, it will not be noted on the printed Service Guide. For ACER AUTHORIZED SERVICE PROVIDERS, your Acer office may have a DIFFERENT part number code from those given in the FRU list of this printed Service Guide. You MUST use the local FRU list provided by your regional Acer office to order FRU parts for repair and service of customer machines.

NOTE: To scrap or to return the defective parts, you should follow the local government ordinance or regulations on how to dispose it properly, or follow the rules set by your regional Acer office on how to return it.

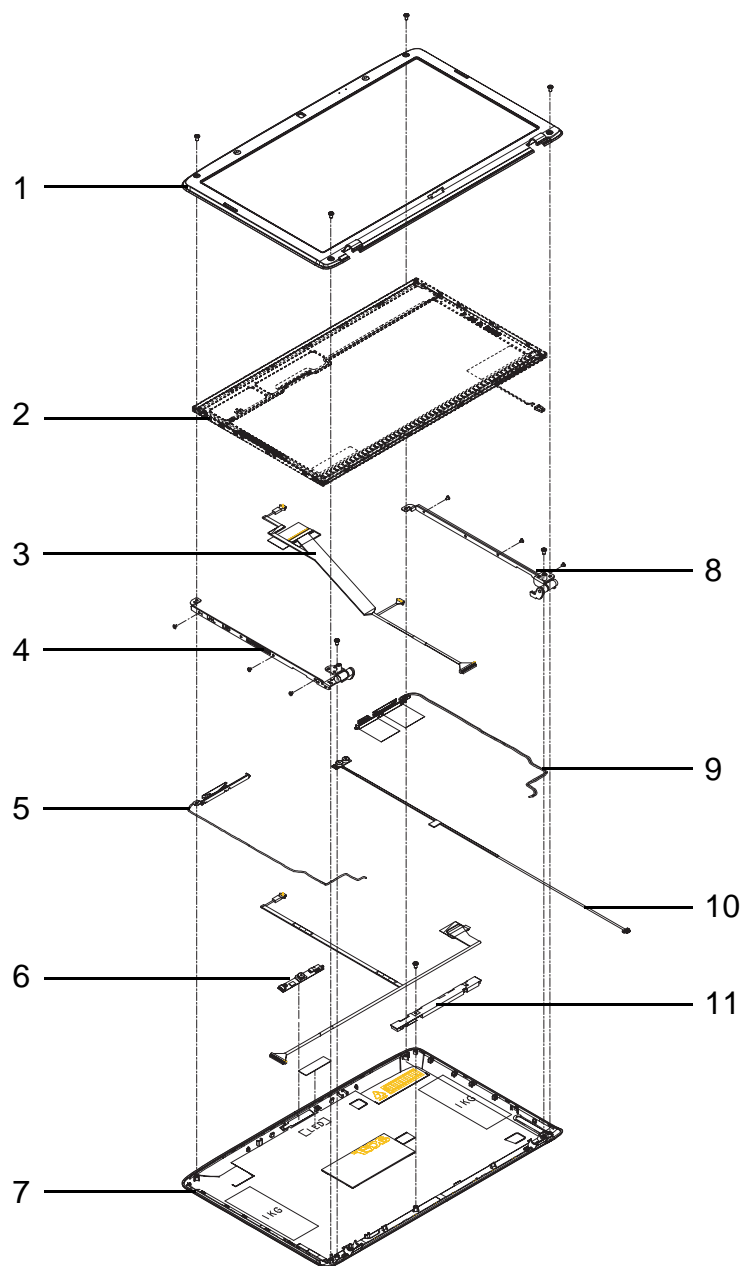
Aspire 5737Z Series Exploded Diagrams

Main Assembly



No.	Description	Acer P/N	No.	Description	Acer P/N
1	Strip Cover	60.AZ802.001	6	Thermal Module	60.AZ802.006
2	Keyboard	KB.I1700.004	7	Lower Case	60.AZ802.003
3	Upper Case	60.AZ802.002	8	HDD Cover	42.AZ802.001
4	F/P Reader	55.AZA02.001	9	Memory Cover	42.AZ802.002
5	Mainboard	MB.AZ702.001			







LCD Panel









No.	Description	Acer P/N	No.	Description	Acer P/N
1	LCD Bezel	60.AZA02.002	7	LCD Cover	60.AZ802.004
2	LCD Panel	6M.AZA02.001	8	LCD Bracket_R	33.AZ802.004
3	LCD Cable	50.AZ802.004	9	Antenna_R	50.AZ802.005
4	LCD Bracket_L	33.AZ802.004	10	MIC Cable	23.AZ802.002
5	Antenna_L	50.AZ802.006	11	Inverter	19.AZ802.001
6	Camera Board	57.AZA02.001			

Aspire 5737Z Series FRU List

Category	Description	Acer P/N
Adapter		
	ADAPTER 65W 3PIN DFJ DELTA	AP.06501.022
	ADAPTER 65W 3PIN AC-OK065B13 LFFlicker HIPRO	AP.0650A.011
	ADAPTER 65W 3PIN BFJG OBL DELTA	AP.06501.023
Battery		
	BATTERY LI-ION 6CELLS 4.4MAH SM-SIMPLO	BT.00607.034
	BATTERY LI-ION 6CELLS 4.4MAH SANYO	BT.00603.041
	BATTERY LI-ION 6CELLS 4.4MAH SONY	BT.00604.024
	BATTERY LI-ION 6CELLS 4.4MAH PANASONIC	BT.00605.020
Board		
	FINGER PRINT BOARD	55.AZA02.001
	SWITCH BOARD	55.AZ802.001
	USB BOARD	55.AZ802.002
	BLUE TOOTH	BT.21100.005
	WLAN CARD XB63	NI.23600.007
	WLAN CARD XB91	NI.23600.030
	WLAN CARD RALINK	NI.23600.031
Cable		
	USB CABLE	50.AZ802.001
	BT CABLE	50.AZ802.002
	TP FFC	50.AZ802.003

Category	Description	Acer P/N
	POWER CORD US 3 PIN	27.TAVV5.001
	POWER CORD EU 3 PIN	27.TAVV5.002
	POWER CORD AUS 3 PIN	27.TAVV5.003
	POWER CORD UK 3 PIN	27.TAVV5.004
	POWER CORD CHINA 3 PIN	27.TAVV5.005
	POWER CORD SWISS 3 PIN	27.TAVV5.006
	POWER CORD ITALIAN 3 PIN	27.TAVV5.007
	POWER CORD DENMARK 3 PIN	27.TAVV5.008
	POWER CORD JP 3 PIN	27.TAVV5.009
	POWER CORD SOUTH AFRICA 3 PIN	27.TAVV5.010
	POWER CORD KOERA 3 PIN	27.TAVV5.011
	POWER CORD ISRAEL 3 PIN	27.TAVV5.012
	POWER CORD INDIA 3 PIN	27.TAVV5.013
	POWER CORD TWN 3 PIN	27.TAVV5.014
	POWER CORD ARGENTINA 3 PIN	27.APV02.001
Case/Cover/Bracket Assembly		
	STRIP COVER	60.AZ802.001
	UPPER CASE W/FP	60.AZA02.001
	UPPER CASE W/O FP	60.AZ802.002
	LOWER CASE ASSY	60.AZ802.003
	TP BRACKET	33.AZ802.001
	HDD DOOR	42.AZ802.001
	RAM DOOR	42.AZ802.002
	FP BRACKET	42.AZA02.001






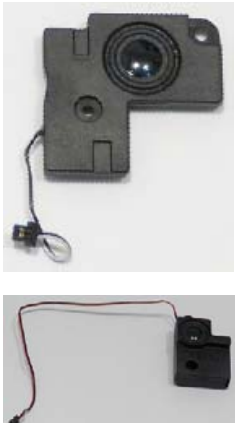
Category	Description	Acer P/N
CPU/Processor		
	CPU INTEL CELERON CM585 2.16G LF80537NF0481M SLB6L M0	KC.N0001.585
	CPU INTEL CELERON CM575 2G LF80537NF0411M SLB6M M0	KC.N0001.575
	CPU INTEL PMDT3400 2.16G LF80537GF0481M SLB3P M0	KC.34001.DTP
	CPU INTEL CELERON CMT1700 1.83G LF80537NF0341MN SLB6H M0	KC.17001.CMT
	CPU INTEL CELERON CMT1600 1.66G LF80537NF0281MN SLB6J M0	KC.16001.CMT
	CPU INTEL PMDT3200 2.0G LF80537GF0411M SLAVG M0	KC.32001.DTP
	CPU INTEL T6400 2G AW80577GG0412MA SLGJ4 R0	KC.64001.DTP
Super Multi Drive		
	DVD SUPER MULTI DRIVE MODULE	6M.AZ802.001
	DVD SUPER MULTI DRIVE TOSHIBA TS-L633A LF W/O bezel	KU.00801.021
	DVD SUPER MULTI DRIVE SONY AD-7580S LF W/O bezel	KU.0080E.017
	DVD SUPER MULTI DRIVE PHILIP DS-8A2S LF W/O bezel	KU.0080F.001
	DVD SUPER MULTI DRIVE HLDS GT10N LF W/O bezel FW:1.01	KU.0080D.039
	ODD BEZEL-SUPER MULTI	42.AZ802.003
	ODD BRACKET	33.AZ802.002
Combo Drive		
	BR DVD DRIVE MODULE	6M.AZ802.002
	BR DVD DRIVE HLDS CT10N LF W/O bezel	KO.0020D.001
	BR DVD DRIVE PIONEER BDC-TD01RS LF W/O bezel	TBD
	ODD BEZEL-BR	42.AZ802.004
	ODD BRACKET	33.AZ802.002


Category	Description	Acer P/N
HDD		
	HDD SATA 160G 5400RPM TOSHIBA MK1652GSX	KH.16004.003
	HDD SATA 160G 5400RPM WD WD1200BEVT-22ZCT0	KH.12008.020
	HDD SATA 160G 5400RPM HGST HTS543216L9A300	KH.16007.019
	HDD SATA 250G 5400RPM SEAGATE ST9250827AS	KH.25001.011
	HDD SATA 250G 5400RPM HGST HTS543225L9A300	KH.25007.013
	HDD SATA 250G 5400RPM WD WD2500BEVT-22ZCT0	KH.25008.021
	HDD SATA 320G 5400RPM TOSHIBA MK3252GSX	KH.32004.001
	HDD SATA 320G 5400RPM WD WD3200BEVT-22ZCT0	KH.32008.013
	HDD BRACKET	33.AZ802.003
Keyboard		
	KEYBOARD GREEK	KB.I1700.025
	KEYBOARD CHINESE	KB.I1700.032
	KEYBOARD THAILAND	KB.I1700.008
	KEYBOARD HEBREW	KB.I1700.005
	KEYBOARD KOREAN	KB.I1700.019
	KEYBOARD ARABIC	KB.I1700.036
	KEYBOARD INTE(UI)	KB.I1700.004
	KEYBOARD RUSSIAN	KB.I1700.014
	KEYBOARD UK	KB.I1700.006
	KEYBOARD SWEDEN/FN	KB.I1700.010
	KEYBOARD FR	KB.I1700.027
	KEYBOARD PORTUGUESE	KB.I1700.015
	KEYBOARD NETHERLAND	KB.I1700.029
	KEYBOARD SLOVENIAN	KB.I1700.013
	KEYBOARD SLOVAKIAN	KB.I1700.012
	KEYBOARD BRAZILIAN	KB.I1700.034
	KEYBOARD SWITZERLAND	KB.I1700.009
	KEYBOARD DENMARK	KB.I1700.030
	KEYBOARD IT	KB.I1700.021
	KEYBOARD BELGIAN	KB.I1700.035
	KEYBOARD GR	KB.I1700.026
	KEYBOARD CZECH	KB.I1700.031
	KEYBOARD CANADIAN/FRENCH	KB.I1700.033
	KEYBOARD NORWEGIAN	KB.I1700.017
	KEYBOARD HUNGARY	KB.I1700.024
	KEYBOARD SPANISH	KB.I1700.011
	KEYBOARD TURKISH	KB.I1700.007
	KEYBOARD CANADIAN/ENGLISH	KB.I1700.039

Category	Description	Acer P/N
Keyboard (cont.)		
	KEYBOARD ARABIC/FRENCH	KB.I1700.037
	KEYBOARD SCANDINAVIAN	KB.I1700.038
	KEYBOARD CZ-SLOVAK	KB.I1700.041
	KEYBOARD JAPANESE	KB.I1700.040
LCD		
	ASSY LCD MODULE 15.6 IN. WXGA GLARE CCD W/ ANTENNA	6M.AZA02.001
	LCD PANEL G 15.6" WXGA HD B156XW01-V0 0A LF AUO	LK.15605.001
	LCD PANEL G 15.6" WXGA HD B156XW01 V0 1A LF AUO	
	LCD PANEL G 15.6" WXGA HD LTN156AT01-A01 LF SAMSUNG	LK.15606.001
	LCD COVER-IMR	60.AZ802.004
	LCD BEZEL FOR W/ CCD	60.AZA02.002
	LCD BRACKET SET R&L FOR LCD	33.AZ802.004
	INVERTER	19.AZ802.001
	LCD CABLE FOR LCD W/CCD FUNCTION	50.AZ802.004
	ANTENNA R-MAIN/MINO(3X3)	50.AZ802.005
	ANTENNA R-MAIN(1X2)	50.AZ802.009
	ANTENNA L-AUX	50.AZ802.006
	CAMERA 0.3M	57.AZA02.001
	SCREW RUBBER	47.AZ802.001

Category	Description	Acer P/N
	ASSY LCD MODULE 15.6 IN. WXGA GLARE W/ ANTENNA	6M.AZ802.003
	LCD PANEL G 15.6" WXGA HD B156XW01-V0 0A LF AUO	LK.15605.001
	LCD PANEL G 15.6" WXGA HD B156XW01 V0 1A LF AUO	TBD
	LCD PANEL G 15.6" WXGA HD LTN156AT01-A01 LF SAMSUNG	LK.15606.001
	LCD COVER-IMR	60.AZ802.004
	LCD BEZEL FOR W/O CCD	60.AZ802.005
	LCD BRACKET SET R&L FOR LCD	33.AZ802.004
	INVERTER	19.AZ802.001
	LCD CABLE FOR LCD W/O CCD FUNCTION	50.AZ802.008
	ANTENNA R-MAIN/MINO(3X3)	50.AZ802.005
	ANTENNA R-MAIN(1X2)	50.AZ802.009
	ANTENNA L-AUX	50.AZ802.006
	SCREW RUBBER	47.AZ802.001
	ASSY LED MODULE 15.6 IN. WXGA GLARE CCD W/ ANTENNA	6M.AZA02.002
	LED PANEL 15.6" WXGA HD B156XW02 AUO	LK.15605.003
	LED PANEL 15.6" WXGA HD LP156WH2-TLE1 LF LPL	LK.15608.002
	LED PANEL 15.6" WXGA HD N156B6-L04 CMO	LK.1560D.005
	LCD COVER-IMR	60.AZ802.004

Category	Description	Acer P/N
	LCD BEZEL FOR W/ CCD	60.AZA02.002
	LCD BRACKET SET R&L FOR LED	33.AZ802.005
	LCD CABLE FOR LED W/CCD FUNCTION	50.AZ802.007
	ANTENNA R-MAIN/MINO(3X3)	50.AZ802.005
	ANTENNA R-MAIN(1X2)	50.AZ802.009
	ANTENNA L-AUX	50.AZ802.006
	CAMERA 0.3M	57.AZA02.001
	SCREW RUBBER	47.AZ802.001
	ASSY LED MODULE 15.6 IN. WXGA GLARE W/ ANTENNA	6M.AZ802.004
	LED PANEL 15.6" WXGA HD B156XW02 AUO	LK.15605.003
	LED PANEL 15.6" WXGA HD LP156WH2-TLE1 LF LPL	LK.15608.002
	LED PANEL 15.6" WXGA HD N156B6-L04 CMO	LK.1560D.005
	LCD COVER-IMR	60.AZ802.004
	LCD BEZEL FOR W/O CCD	60.AZ802.005
	LCD BRACKET SET R&L FOR LED	33.AZ802.005
	LCD CABLE FOR LED W/O CCD FUNCTION	50.AZ802.010

Category	Description	Acer P/N
	ANTENNA R-MAIN/MINO(3X3)	50.AZ802.005
	ANTENNA R-MAIN(1X2)	50.AZ802.009
	ANTENNA L-AUX	50.AZ802.006
	SCREW RUBBER	47.AZ802.001
Mainboard		
	MAINBOARD ASPIRE 5737Z NVIDIA MCP79 ACER LOGO W/O 1394 V1.0 LF	MB.AZ702.001
Memory		
	RAM 1G DDRIII 1066 M471B2874DZ1-CF8 SAMSUNG	KN.1GB0B.018
	RAM 1G DDRIII 1066 HMT112S6AFP6C-G7N0 HYNIX	KN.1GB0G.019
	RAM 1G DDRIII 1066 EBJ11UE6BAU0-AE-E ELPIDA	KN.1GB09.009
	RAM 2G DDRIII 1066 M471B5673DZ1-CF8 SAMSUNG	KN.2GB0B.005
	RAM 2G DDRIII 1066 HMT125S6AFP8C-G7N0 HYNIX	KN.2GB0G.009
	RAM 2G DDRIII 1066 EBJ21UE8BAU0-AE-E ELPIDA	KN.2GB09.002
Heat sink		
	THERMAL MODULE	60.AZ802.006
Speaker		
	SPEAKER R&L	23.AZ802.001

Category	Description	Acer P/N
	MIC	23.AZ802.002
Miscellaneous		
MISCELLANEOUS	NAME PLATE-AS5737	40.AZ802.001
MISCELLANEOUS	LENS RUBBER	47.AZ802.003

Screw List

Category	Description	Acer P/N
Screw		
	SCREW M3.0 D 3L K 5.0 D ZK NL	86.AZ802.001
	SCREW M1.98 D 3.0L K4.6 D 0.8T ZK NL	86.AZ802.002
	SCREW M2.48 D 6.0L K5.5 D 0.8T ZK NL	86.AZ802.003
	SCREW M2.46 D 3.0L K5.5 D 0.8T ZK NL	86.AZ802.006
	SCREW M2.45 D 8.0L K5 5D 0.8T ZK NL	86.AZ802.007

Model Definition and Configuration

Aspire 5737Z Series

Model	RO	Country	Acer P/N	Description	CPU
AS5737Z-644G32Mn	EMEA	Spain	LX.AZ70X.062	AS5737Z-644G32Mn VHP32ATES1 MC UMACE 2*2G/320/6L/5R/ CB_bgn_0.3D_HG_ES22	C2DT6400
AS5737Z-344G25Mn	EMEA	Switzerland	LX.AZ70X.061	AS5737Z-344G25Mn VHP32ATCH1 MC UMACE 2*2G/250/6L/5R/ CB_bgn_0.3D_HG_IT42	PMDT3400
AS5737Z-344G32Mn	EMEA	Switzerland	LX.AZ70X.060	AS5737Z-344G32Mn VHP32ATCH1 MC UMACE 2*2G/320/6L/5R/ CB_bgn_0.3D_HG_IT42	PMDT3400
AS5737Z-342G25Mn	EMEA	Eastern Europe	LX.AZ70X.059	AS5737Z-342G25Mn VHP32ATEU5 MC UMACE 1*2G/250/6L/5R/ CB_bgn_0.3D_HG_PL12	PMDT3400
AS5737Z-342G25Mn	WW	WW	S2.AZ70C.004	AS5737Z-342G25Mn LINPUSAWW1 UMACE 1*2G/250/BT/6L/5R/ CB_bgn_0.3D_HG_EN11	PMDT3400
AS5737Z-343G25Mn	EMEA	France	LX.AZ70X.020	AS5737Z-343G25Mn VHP32ATFR1 MC UMACE 2G+1G/250/6L/5R/ CB_bgn_0.3D_FR23	PMDT3400
AS5737Z-343G25Mn	EMEA	South Africa	LX.AZ70X.056	AS5737Z-343G25Mn EM VHP32ATZA2 MC UMACE 2G+1G/250/6L/5R/ CB_bgn_0.3D_HG_EN16	PMDT3400
AS5737Z-343G25Mn	EMEA	South Africa	LX.AZ70X.057	AS5737Z-343G25Mn EM VHP32ATZA1 MC UMACE 2G+1G/250/6L/5R/ CB_bgn_0.3D_HG_FR23	PMDT3400
AS5737Z-343G25Mn	EMEA	Denmark	LX.AZ70X.055	AS5737Z-343G25Mn VHP32ATDK1 MC UMACE 2G+1G/250/6L/5R/ CB_bgn_0.3D_HG_NO13	PMDT3400
AS5737Z-343G25Mn	EMEA	Luxembourg	LX.AZ70X.052	AS5737Z-343G25Mn VHP32ATLU1 MC UMACE 2G+1G/250/6L/5R/ CB_bgn_0.3D_HG_IT42	PMDT3400
AS5737Z-343G25Mi	EMEA	Russia	LX.AZ70X.051	AS5737Z-343G25Mi VHP32ATRU1 MC UMACE 2G+1G/250/6L/5R/ CB_bg_0.3D_HG_RU11	PMDT3400

Model	RO	Country	Acer P/N	Description	CPU
AS5737Z-343G25Mn	EMEA	Belgium	LX.AZ70X.053	AS5737Z-343G25Mn VHP32ATBE1 MC UMAC 2G+1G/250/6L/5R/ CB_bgn_0.3D_HG_NL13	PMDT3400
AS5737Z-343G25Mn	EMEA	Germany	LX.AZ70X.054	AS5737Z-343G25Mn VHP32ATDE1 MC UMAC 2G+1G/250/6L/5R/ CB_bgn_0.3D_HG_DE13	PMDT3400
AS5737Z-343G25Mn	EMEA	Eastern Europe	LX.AZ70X.044	AS5737Z-343G25Mn VHP32ATEU5 MC UMAC 2G+1G/250/6L/5R/ CB_bgn_0.3D_HG_PL12	PMDT3400
AS5737Z-343G25Mn	EMEA	Eastern Europe	LX.AZ70X.043	AS5737Z-343G25Mn VHP32ATEU3 MC UMAC 2G+1G/250/6L/5R/ CB_bgn_0.3D_HG_RU22	PMDT3400
AS5737Z-343G25Mn	EMEA	Eastern Europe	LX.AZ70X.045	AS5737Z-343G25Mn VHP32ATEU3 MC UMAC 2G+1G/250/6L/5R/ CB_bgn_0.3D_HG_RU12	PMDT3400
AS5737Z-343G25Mn	EMEA	Eastern Europe	LX.AZ70X.046	AS5737Z-343G25Mn VHP32ATEU7 MC UMAC 2G+1G/250/6L/5R/ CB_bgn_0.3D_HG_ENR1	PMDT3400
AS5737Z-343G25Mn	EMEA	Eastern Europe	LX.AZ70X.047	AS5737Z-343G25Mn VHP32ATEU4 MC UMAC 2G+1G/250/6L/5R/ CB_bgn_0.3D_HG_FI12	PMDT3400
AS5737Z-343G25Mn	EMEA	Sweden/ Finland	LX.AZ70X.048	AS5737Z-343G25Mn VHP32ATSE1 MC UMAC 2G+1G/250/6L/5R/ CB_bgn_0.3D_HG_FI12	PMDT3400
AS5737Z-343G25Mn	EMEA	Norway	LX.AZ70X.049	AS5737Z-343G25Mn VHP32ATNO1 MC UMAC 2G+1G/250/6L/5R/ CB_bgn_0.3D_HG_NO12	PMDT3400
AS5737Z-343G25Mn	EMEA	Holland	LX.AZ70X.050	AS5737Z-343G25Mn VHP32ATNL1 MC UMAC 2G+1G/250/6L/5R/ CB_bgn_0.3D_HG_NL12	PMDT3400
AS5737Z-343G25Mn	EMEA	Eastern Europe	LX.AZ70X.042	AS5737Z-343G25Mn VHP32ATEU4 MC UMAC 2G+1G/250/6L/5R/ CB_bgn_0.3D_HG_SV21	PMDT3400
AS5737Z-343G25Mn	EMEA	Eastern Europe	LX.AZ70X.041	AS5737Z-343G25Mn VHP32ATEU5 MC UMAC 2G+1G/250/6L/5R/ CB_bgn_0.3D_HG_RO11	PMDT3400
AS5737Z-343G25Mn	EMEA	Hungary	LX.AZ70X.037	AS5737Z-343G25Mn VHP32ATHU1 MC UMAC 2G+1G/250/6L/5R/ CB_bgn_0.3D_HG_HU12	PMDT3400

Model	RO	Country	Acer P/N	Description	CPU
AS5737Z-343G25Mn	EMEA	Spain	LX.AZ70X.034	AS5737Z-343G25Mn VHP32ATES1 MC UMACE 2G+1G/250/6L/5R/ CB_bgn_0.3D_HG_ES22	PMDT3400
AS5737Z-343G25Mn	EMEA	Greece	LX.AZ70X.036	AS5737Z-343G25Mn VHP32ATGR1 MC UMACE 2G+1G/250/6L/5R/ CB_bgn_0.3D_HG_EL22	PMDT3400
AS5737Z-343G25Mn	EMEA	Italy	LX.AZ70X.032	AS5737Z-343G25Mn VHP32ATIT1 MC UMACE 2G+1G/250/6L/5R/ CB_bgn_0.3D_HG_IT12	PMDT3400
AS5737Z-343G25Mn	EMEA	Turkey	LX.AZ70X.031	AS5737Z-343G25Mn EM VHP32ATTR1 MC UMACE 2G+1G/250/6L/5R/ CB_bgn_0.3D_HG_TR32	PMDT3400
AS5737Z-343G25Mn	EMEA	Israel	LX.AZ70X.033	AS5737Z-343G25Mn VHP32ATIL1 MC UMACE 2G+1G/250/6L/5R/ CB_bgn_0.3D_HG_HE12	PMDT3400
AS5737Z-343G25Mn	EMEA	Greece	LX.AZ70X.035	AS5737Z-343G25Mn VHP32ATGR1 MC UMACE 2G+1G/250/6L/5R/ CB_bgn_0.3D_HG_EL32	PMDT3400
AS5737Z-343G25Mn	EMEA	Portugal	LX.AZ70X.040	AS5737Z-343G25Mn VHP32ATPT1 MC UMACE 2G+1G/250/6L/5R/ CB_bgn_0.3D_HG_PT12	PMDT3400
AS5737Z-343G25Mn	EMEA	Slovenia/ Croatia	LX.AZ70X.038	AS5737Z-343G25Mn VHP32ATSI1 MC UMACE 2G+1G/250/6L/5R/ CB_bgn_0.3D_HG_SL11	PMDT3400
AS5737Z-343G25Mn	EMEA	Slovenia/ Croatia	LX.AZ70X.039	AS5737Z-343G25Mn VHP32ATSI1 MC UMACE 2G+1G/250/6L/5R/ CB_bgn_0.3D_HG_EN13	PMDT3400
AS5737Z-343G25Mn	EMEA	Middle East	LX.AZ70X.027	AS5737Z-343G25Mn EM VHP32ATME9 MC UMACE 2G+1G/250/6L/5R/ CB_bgn_0.3D_HG_FR22	PMDT3400
AS5737Z-343G25Mn	EMEA	Middle East	LX.AZ70X.026	AS5737Z-343G25Mn EM VHP32ATME3 MC UMACE 2G+1G/250/6L/5R/ CB_bgn_0.3D_HG_FR23	PMDT3400
AS5737Z-343G25Mi	EMEA	Ukraine	LX.AZ70X.022	AS5737Z-343G25Mi VHP32ATUK1 MC UMACE 2G+1G/250/6L/5R/ CB_bg_0.3D_HG_RU11	PMDT3400
AS5737Z-343G25Mn	EMEA	UK	LX.AZ70X.021	AS5737Z-343G25Mn VHP32ATGB1 MC UMACE 2G+1G/250/6L/5R/ CB_bgn_0.3D_HG_EN14	PMDT3400

Model	RO	Country	Acer P/N	Description	CPU
AS5737Z-343G25Mn	EMEA	Switzerland	LX.AZ70X.023	AS5737Z-343G25Mn VHP32ATCH1 MC UMAC 2G+1G/250/6L/5R/ CB_bgn_0.3D_HG_IT42	PMDT3400
AS5737Z-343G25Mn	EMEA	Middle East	LX.AZ70X.025	AS5737Z-343G25Mn EM VHP32ATME6 MC UMAC 2G+1G/250/6L/5R/ CB_bgn_0.3D_HG_EN15	PMDT3400
AS5737Z-343G25Mn	EMEA	Middle East	LX.AZ70X.028	AS5737Z-343G25Mn EM VHP32ATME4 MC UMAC 2G+1G/250/6L/5R/ CB_bgn_0.3D_HG_EN11	PMDT3400
AS5737Z-343G25Mn	EMEA	Middle East	LX.AZ70X.029	AS5737Z-343G25Mn EM VHP32ATME2 MC UMAC 2G+1G/250/6L/5R/ CB_bgn_0.3D_HG_AR13	PMDT3400
AS5737Z-343G25Mn	EMEA	Middle East	LX.AZ70X.024	AS5737Z-343G25Mn EM VHP32ATME2 MC UMAC 2G+1G/250/6L/5R/ CB_bgn_0.3D_HG_AR23	PMDT3400
AS5737Z-343G25Mn	EMEA	Middle East	LX.AZ70X.030	AS5737Z-343G25Mn EM VHP32ATME2 MC UMAC 2G+1G/250/6L/5R/ CB_bgn_0.3D_HG_EN15	PMDT3400
AS5737Z-322G25Mn	WW	WW	S2.AZ70C.003	AS5737Z-322G25Mn LINPUSAWW1 UMAC 1*2G/250/BT/6L/5R/ CB_bgn_0.3D_HG_EN11	PMDT3200
AS5737Z-344G32Mn	WW	WW	S2.AZ70C.002	AS5737Z-344G32Mn LINPUSAWW1 UMAC 2*2G/320/BT/6L/5R/ CB_bgn_1.0D_EN11	PMDT3400
AS5737Z-343G32Mn	PA	Canada	LX.AZ70X.019	AS5737Z-343G32Mn VHP32ATCA2 MC UMAC 2G+1G/320/6L/5R/ CB_bgn_0.3D_FR31	PMDT3400
AS5737Z-343G32Mn	PA	Canada	LX.AZ70X.018	AS5737Z-343G32Mn VHP32ATCA2 MC UMAC 2G+1G/320/6L/5R/ CB_bgn_0.3D_FR32	PMDT3400
AS5737Z-343G32Mn	PA	Canada	LX.AZ70X.014	AS5737Z-343G32Mn VHP32ATCA2 MC UMAC 2G+1G/320/6L/5R/ CB_bgn_0.3D_FR33	PMDT3400
AS5737Z-343G32Mn	PA	Canada	LX.AZ70X.013	AS5737Z-343G32Mn VHP32ATCA2 MC UMAC 2G+1G/320/6L/5R/ CB_bgn_0.3D_FR34	PMDT3400
AS5737Z-343G32Mn	PA	USA	LX.AZ70X.012	AS5737Z-343G32Mn VHP32ATUS1 MC UMAC 2G+1G/320/6L/5R/ CB_bgn_0.3D_EN32	PMDT3400

Model	RO	Country	Acer P/N	Description	CPU
AS5737Z-343G32Mn	PA	USA	LX.AZ70X.008	AS5737Z-343G32Mn VHP32ATUS1 MC UMACE 2G+1G/320/6L/5R/ CB_bgn_0.3D_EN34	PMDT3400
AS5737Z-343G32Mn	PA	USA	LX.AZ70X.009	AS5737Z-343G32Mn VHP32ATUS1 MC UMACE 2G+1G/320/6L/5R/ CB_bgn_0.3D_EN35	PMDT3400
AS5737Z-343G32Mn	PA	USA	LX.AZ70X.010	AS5737Z-343G32Mn VHP32ATUS1 MC UMACE 2G+1G/320/6L/5R/ CB_bgn_0.3D_EN33	PMDT3400
AS5737Z-343G32Mn	PA	ACLA-Portuguese	LX.AZ70X.011	AS5737Z-343G32Mn VHP32ATXC1 MC UMACE 2G+1G/320/6L/5R/ CB_bgn_0.3D_XC21	PMDT3400
AS5737Z-343G32Mn	PA	ACLA-Portuguese	LX.AZ70X.005	AS5737Z-343G32Mn EM VHP32ATXC1 MC UMACE 2G+1G/320/6L/5R/ CB_bgn_0.3D_XC22	PMDT3400
AS5737Z-343G32Mn	PA	ACLA-Portuguese	LX.AZ70X.006	AS5737Z-343G32Mn EM VHP32ATXC2 MC UMACE 2G+1G/320/6L/5R/ CB_bgn_0.3D_XC21	PMDT3400
AS5737Z-343G32Mn	PA	ACLA-Portuguese	LX.AZ70X.007	AS5737Z-343G32Mn VHP32ATXC2 MC UMACE 2G+1G/320/6L/5R/ CB_bgn_0.3D_XC22	PMDT3400
AS5737Z-343G32Mn	PA	ACLA-Spanish	LX.AZ70X.004	AS5737Z-343G32Mn EM VHP32ATEA1 MC UMACE 2G+1G/320/6L/5R/ CB_bgn_0.3D_ES22	PMDT3400
AS5737Z-343G32Mn	PA	ACLA-Spanish	LX.AZ70X.003	AS5737Z-343G32Mn VHP32ATEA3 MC UMACE 2G+1G/320/6L/5R/ CB_bgn_0.3D_ES21	PMDT3400
AS5737Z-343G32Mn	PA	ACLA-Spanish	LX.AZ70X.002	AS5737Z-343G32Mn EM VHP32ATEA3 MC UMACE 2G+1G/320/6L/5R/ CB_bgn_0.3D_ES22	PMDT3400
AS5737Z-343G32Mn	PA	ACLA-Spanish	LX.AZ70X.001	AS5737Z-343G32Mn VHP32ATEA1 MC UMACE 2G+1G/320/6L/5R/ CB_bgn_0.3D_ES21	PMDT3400
AS5737Z-342G25Mn	TWN	GCTWN	LX.AZA0Y.002	AS5737Z-342G25Mn VHB32ATTW1 MC UMACEF 1*2G/250/BT/6L/5R/ CB_bgn_0.3D_HG_TC11	PMDT3400
AS5737Z-341G16Mn	CHINA	China	LX.AZA0C.001	AS5737Z-341G16Mn LINPUSACN1 UMACEF 1*1G/160/6L/5R/ CB_bgn_FP_0.3D_HG_EN91	PMDT3400

Model	RO	Country	Acer P/N	Description	CPU
AS5737Z-342G25Mn	CHINA	China	LX.AZA0Y.001	AS5737Z-342G25Mn VHB32ATCN1 MC UMACEF 1*2G/250/6L/5R/ CB_bgn_FP_0.3D_HG_SC11	PMDT3400
AS5737Z-344G32Mn	WW	WW	S2.AZA0C.001	AS5737Z-344G32Mn LINPUSAWW1 UMACEF 2*2G/320/BT/6L/5R/ CB_bgn_FP_1.0D_EN11	PMDT3400
AS5737Z-343G32Mn	PA	Canada	LX.AZ80X.017	AS5737Z-343G32Mn VHP32ATCA2 MC UMAE 2G+1G/320/6L/5R/ CB_bgn_FR32	PMDT3400
AS5737Z-343G32Mn	PA	Canada	LX.AZ80X.015	AS5737Z-343G32Mn VHP32ATCA2 MC UMAE 2G+1G/320/6L/5R/ CB_bgn_FR33	PMDT3400
AS5737Z-343G32Mn	PA	Canada	LX.AZ80X.016	AS5737Z-343G32Mn VHP32ATCA2 MC UMAE 2G+1G/320/6L/5R/ CB_bgn_FR34	PMDT3400
AS5737Z-343G32Mn	PA	USA	LX.AZ80X.013	AS5737Z-343G32Mn VHP32ATUS1 MC UMAE 2G+1G/320/6L/5R/ CB_bgn_EN32	PMDT3400
AS5737Z-343G32Mn	PA	USA	LX.AZ80X.012	AS5737Z-343G32Mn VHP32ATUS1 MC UMAE 2G+1G/320/6L/5R/ CB_bgn_EN34	PMDT3400
AS5737Z-343G32Mn	PA	Canada	LX.AZ80X.011	AS5737Z-343G32Mn VHP32ATCA2 MC UMAE 2G+1G/320/6L/5R/ CB_bgn_FR31	PMDT3400
AS5737Z-343G32Mn	PA	USA	LX.AZ80X.007	AS5737Z-343G32Mn VHP32ATUS1 MC UMAE 2G+1G/320/6L/5R/ CB_bgn_EN35	PMDT3400
AS5737Z-343G32Mn	PA	USA	LX.AZ80X.008	AS5737Z-343G32Mn VHP32ATUS1 MC UMAE 2G+1G/320/6L/5R/ CB_bgn_EN33	PMDT3400
AS5737Z-343G32Mn	PA	ACLA-Portuguese	LX.AZ80X.009	AS5737Z-343G32Mn VHP32ATXC1 MC UMAE 2G+1G/320/6L/5R/ CB_bgn_XC21	PMDT3400
AS5737Z-343G32Mn	PA	ACLA-Portuguese	LX.AZ80X.010	AS5737Z-343G32Mn EM VHP32ATXC1 MC UMAE 2G+1G/320/6L/5R/ CB_bgn_XC22	PMDT3400
AS5737Z-343G32Mn	PA	ACLA-Portuguese	LX.AZ80X.004	AS5737Z-343G32Mn EM VHP32ATXC2 MC UMAE 2G+1G/320/6L/5R/ CB_bgn_XC21	PMDT3400

Model	RO	Country	Acer P/N	Description	CPU
AS5737Z-343G32Mn	PA	ACLA-Portuguese	LX.AZ80X.005	AS5737Z-343G32Mn VHP32ATXC2 MC UMAE 2G+1G/320/6L/5R/ CB_bgn_XC22	PMDT3400
AS5737Z-343G32Mn	PA	ACLA-Spanish	LX.AZ80X.006	AS5737Z-343G32Mn EM VHP32ATEA1 MC UMAE 2G+1G/320/6L/5R/ CB_bgn_ES22	PMDT3400
AS5737Z-343G32Mn	PA	ACLA-Spanish	LX.AZ80X.003	AS5737Z-343G32Mn VHP32ATEA3 MC UMAE 2G+1G/320/6L/5R/ CB_bgn_ES21	PMDT3400
AS5737Z-343G32Mn	PA	ACLA-Spanish	LX.AZ80X.002	AS5737Z-343G32Mn EM VHP32ATEA3 MC UMAE 2G+1G/320/6L/5R/ CB_bgn_ES22	PMDT3400
AS5737Z-343G32Mn	PA	ACLA-Spanish	LX.AZ80X.001	AS5737Z-343G32Mn VHP32ATEA1 MC UMAE 2G+1G/320/6L/5R/ CB_bgn_ES21	PMDT3400

Model	LCD	Memory 1	Memory 2	HDD 1(GB)	ODD
AS5737Z-644G32Mn	N15.6WXGAG	SO2GBIII10	SO2GBIII10	N320GB5.4KS	NSM8XS
AS5737Z-344G25Mn	N15.6WXGAG	SO2GBIII10	SO2GBIII10	N250GB5.4KS	NSM8XS
AS5737Z-344G32Mn	N15.6WXGAG	SO2GBIII10	SO2GBIII10	N320GB5.4KS	NSM8XS
AS5737Z-342G25Mn	N15.6WXGAG	SO2GBIII10	N	N250GB5.4KS	NSM8XS
AS5737Z-342G25Mn	N15.6WXGAG	SO2GBIII10	N	N250GB5.4KS	NSM8XS
AS5737Z-343G25Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N250GB5.4KS	NSM8XS
AS5737Z-343G25Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N250GB5.4KS	NSM8XS
AS5737Z-343G25Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N250GB5.4KS	NSM8XS
AS5737Z-343G25Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N250GB5.4KS	NSM8XS
AS5737Z-343G25Mi	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N250GB5.4KS	NSM8XS
AS5737Z-343G25Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N250GB5.4KS	NSM8XS
AS5737Z-343G25Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N250GB5.4KS	NSM8XS
AS5737Z-343G25Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N250GB5.4KS	NSM8XS

Model	LCD	Memory 1	Memory 2	HDD 1(GB)	ODD
AS5737Z-343G25Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N250GB5.4KS	NSM8XS
AS5737Z-343G25Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N250GB5.4KS	NSM8XS
AS5737Z-343G25Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N250GB5.4KS	NSM8XS
AS5737Z-343G25Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N250GB5.4KS	NSM8XS
AS5737Z-343G25Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N250GB5.4KS	NSM8XS
AS5737Z-343G25Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N250GB5.4KS	NSM8XS
AS5737Z-343G25Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N250GB5.4KS	NSM8XS
AS5737Z-343G25Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N250GB5.4KS	NSM8XS
AS5737Z-343G25Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N250GB5.4KS	NSM8XS
AS5737Z-343G25Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N250GB5.4KS	NSM8XS
AS5737Z-343G25Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N250GB5.4KS	NSM8XS
AS5737Z-343G25Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N250GB5.4KS	NSM8XS
AS5737Z-343G25Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N250GB5.4KS	NSM8XS
AS5737Z-343G25Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N250GB5.4KS	NSM8XS
AS5737Z-343G25Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N250GB5.4KS	NSM8XS
AS5737Z-343G25Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N250GB5.4KS	NSM8XS
AS5737Z-343G25Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N250GB5.4KS	NSM8XS
AS5737Z-343G25Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N250GB5.4KS	NSM8XS
AS5737Z-343G25Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N250GB5.4KS	NSM8XS
AS5737Z-343G25Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N250GB5.4KS	NSM8XS
AS5737Z-343G25Mi	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N250GB5.4KS	NSM8XS
AS5737Z-343G25Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N250GB5.4KS	NSM8XS
AS5737Z-343G25Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N250GB5.4KS	NSM8XS
AS5737Z-343G25Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N250GB5.4KS	NSM8XS

Model	LCD	Memory 1	Memory 2	HDD 1(GB)	ODD
AS5737Z-343G25Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N250GB5.4KS	NSM8XS
AS5737Z-343G25Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N250GB5.4KS	NSM8XS
AS5737Z-343G25Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N250GB5.4KS	NSM8XS
AS5737Z-343G25Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N250GB5.4KS	NSM8XS
AS5737Z-322G25Mn	N15.6WXGAG	SO2GBIII10	N	N250GB5.4KS	NSM8XS
AS5737Z-344G32Mn	N15.6WXGAG	SO2GBIII10	SO2GBIII10	N320GB5.4KS	NSM8XS
AS5737Z-343G32Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N320GB5.4KS	NSM8XS
AS5737Z-343G32Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N320GB5.4KS	NSM8XS
AS5737Z-343G32Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N320GB5.4KS	NSM8XS
AS5737Z-343G32Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N320GB5.4KS	NSM8XS
AS5737Z-343G32Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N320GB5.4KS	NSM8XS
AS5737Z-343G32Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N320GB5.4KS	NSM8XS
AS5737Z-343G32Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N320GB5.4KS	NSM8XS
AS5737Z-343G32Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N320GB5.4KS	NSM8XS
AS5737Z-343G32Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N320GB5.4KS	NSM8XS
AS5737Z-343G32Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N320GB5.4KS	NSM8XS
AS5737Z-343G32Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N320GB5.4KS	NSM8XS
AS5737Z-343G32Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N320GB5.4KS	NSM8XS
AS5737Z-343G32Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N320GB5.4KS	NSM8XS
AS5737Z-343G32Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N320GB5.4KS	NSM8XS
AS5737Z-343G32Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N320GB5.4KS	NSM8XS
AS5737Z-343G32Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N320GB5.4KS	NSM8XS
AS5737Z-343G32Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N320GB5.4KS	NSM8XS
AS5737Z-343G32Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N320GB5.4KS	NSM8XS
AS5737Z-343G32Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N320GB5.4KS	NSM8XS
AS5737Z-343G32Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N320GB5.4KS	NSM8XS
AS5737Z-342G25Mn	N15.6WXGAG	SO2GBIII10	N	N250GB5.4KS	NSM8XS
AS5737Z-341G16Mn	N15.6WXGAG	SO1GBIII10	N	N160GB5.4KS	NSM8XS
AS5737Z-342G25Mn	N15.6WXGAG	SO2GBIII10	N	N250GB5.4KS	NSM8XS

Model	LCD	Memory 1	Memory 2	HDD 1(GB)	ODD
AS5737Z-344G32Mn	N15.6WXGAG	SO2GBIII10	SO2GBIII10	N320GB5.4KS	NSM8XS
AS5737Z-343G32Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N320GB5.4KS	NSM8XS
AS5737Z-343G32Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N320GB5.4KS	NSM8XS
AS5737Z-343G32Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N320GB5.4KS	NSM8XS
AS5737Z-343G32Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N320GB5.4KS	NSM8XS
AS5737Z-343G32Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N320GB5.4KS	NSM8XS
AS5737Z-343G32Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N320GB5.4KS	NSM8XS
AS5737Z-343G32Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N320GB5.4KS	NSM8XS
AS5737Z-343G32Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N320GB5.4KS	NSM8XS
AS5737Z-343G32Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N320GB5.4KS	NSM8XS
AS5737Z-343G32Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N320GB5.4KS	NSM8XS
AS5737Z-343G32Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N320GB5.4KS	NSM8XS
AS5737Z-343G32Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N320GB5.4KS	NSM8XS
AS5737Z-343G32Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N320GB5.4KS	NSM8XS
AS5737Z-343G32Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N320GB5.4KS	NSM8XS
AS5737Z-343G32Mn	N15.6WXGAG	SO2GBIII10	SO1GBIII10	N320GB5.4KS	NSM8XS

Model	Card Reader	Wireless LAN	Wireless LAN1	Bluetooth	Finger Print
AS5737Z-644G32Mn	5 in 1-Build in	3rd WiFi 1x2 BGN	3rd WiFi 1x2 BGN	N	N
AS5737Z-344G25Mn	5 in 1-Build in	3rd WiFi 1x2 BGN	3rd WiFi 1x2 BGN	N	N
AS5737Z-344G32Mn	5 in 1-Build in	3rd WiFi 1x2 BGN	3rd WiFi 1x2 BGN	N	N
AS5737Z-342G25Mn	5 in 1-Build in	3rd WiFi 1x2 BGN	3rd WiFi 1x2 BGN	N	N
AS5737Z-342G25Mn	5 in 1-Build in	3rd WiFi 1x2 BGN	3rd WiFi 1x2 BGN	BT 2.0	N
AS5737Z-343G25Mn	5 in 1-Build in	3rd WiFi 1x2 BGN	3rd WiFi 1x2 BGN	N	N
AS5737Z-343G25Mn	5 in 1-Build in	3rd WiFi 1x2 BGN	3rd WiFi 1x2 BGN	N	N

Model	Card Reader	Wireless LAN	Wireless LAN1	Bluetooth	Finger Print
AS5737Z-343G25Mn	5 in 1-Build in	3rd WiFi 1x2 BGN	3rd WiFi 1x2 BGN	N	N
AS5737Z-343G25Mn	5 in 1-Build in	3rd WiFi 1x2 BGN	3rd WiFi 1x2 BGN	N	N
AS5737Z-343G25Mn	5 in 1-Build in	3rd WiFi 1x2 BGN	3rd WiFi 1x2 BGN	N	N
AS5737Z-343G25Mi	5 in 1-Build in	3rd WiFi 1x2 BGN	3rd WiFi BG	N	N
AS5737Z-343G25Mn	5 in 1-Build in	3rd WiFi 1x2 BGN	3rd WiFi 1x2 BGN	N	N
AS5737Z-343G25Mn	5 in 1-Build in	3rd WiFi 1x2 BGN	3rd WiFi 1x2 BGN	N	N
AS5737Z-343G25Mn	5 in 1-Build in	3rd WiFi 1x2 BGN	3rd WiFi 1x2 BGN	N	N
AS5737Z-343G25Mn	5 in 1-Build in	3rd WiFi 1x2 BGN	3rd WiFi 1x2 BGN	N	N
AS5737Z-343G25Mn	5 in 1-Build in	3rd WiFi 1x2 BGN	3rd WiFi 1x2 BGN	N	N
AS5737Z-343G25Mn	5 in 1-Build in	3rd WiFi 1x2 BGN	3rd WiFi 1x2 BGN	N	N
AS5737Z-343G25Mn	5 in 1-Build in	3rd WiFi 1x2 BGN	3rd WiFi 1x2 BGN	N	N
AS5737Z-322G25Mn	5 in 1-Build in	3rd WiFi 1x2 BGN	3rd WiFi 1x2 BGN	BT 2.0	N
AS5737Z-344G32Mn	5 in 1-Build in	3rd WiFi 1x2 BGN	3rd WiFi 1x2 BGN	BT 2.0	N
AS5737Z-343G32Mn	5 in 1-Build in	3rd WiFi 1x2 BGN	3rd WiFi 1x2 BGN	N	N
AS5737Z-343G32Mn	5 in 1-Build in	3rd WiFi 1x2 BGN	3rd WiFi 1x2 BGN	N	N
AS5737Z-343G32Mn	5 in 1-Build in	3rd WiFi 1x2 BGN	3rd WiFi 1x2 BGN	N	N
AS5737Z-343G32Mn	5 in 1-Build in	3rd WiFi 1x2 BGN	3rd WiFi 1x2 BGN	N	N
AS5737Z-343G32Mn	5 in 1-Build in	3rd WiFi 1x2 BGN	3rd WiFi 1x2 BGN	N	N
AS5737Z-343G32Mn	5 in 1-Build in	3rd WiFi 1x2 BGN	3rd WiFi 1x2 BGN	N	N
AS5737Z-343G32Mn	5 in 1-Build in	3rd WiFi 1x2 BGN	3rd WiFi 1x2 BGN	N	N
AS5737Z-343G32Mn	5 in 1-Build in	3rd WiFi 1x2 BGN	3rd WiFi 1x2 BGN	N	N
AS5737Z-343G32Mn	5 in 1-Build in	3rd WiFi 1x2 BGN	3rd WiFi 1x2 BGN	N	N
AS5737Z-343G32Mn	5 in 1-Build in	3rd WiFi 1x2 BGN	3rd WiFi 1x2 BGN	N	N
AS5737Z-343G32Mn	5 in 1-Build in	3rd WiFi 1x2 BGN	3rd WiFi 1x2 BGN	N	N
AS5737Z-343G32Mn	5 in 1-Build in	3rd WiFi 1x2 BGN	3rd WiFi 1x2 BGN	N	N
AS5737Z-343G32Mn	5 in 1-Build in	3rd WiFi 1x2 BGN	3rd WiFi 1x2 BGN	N	N
AS5737Z-343G32Mn	5 in 1-Build in	3rd WiFi 1x2 BGN	3rd WiFi 1x2 BGN	N	N
AS5737Z-343G32Mn	5 in 1-Build in	3rd WiFi 1x2 BGN	3rd WiFi 1x2 BGN	N	N

Test Compatible Components

This computer's compatibility is tested and verified by Acer's internal testing department. All of its system functions are tested under Windows® XP Home, Windows® XP Pro environment.

Refer to the following lists for components, adapter cards, and peripherals which have passed these tests. Regarding configuration, combination and test procedures, please refer to the Aspire 5737Z Series Compatibility Test Report released by the Acer Mobile System Testing Department.

Microsoft® Windows® Vista Environment Test

Vendor	Type	Description
Adapter		
DELTA	65W	Adapter DELTA 65W 19V 1.7x5.5x11 Yellow SADP-65KB DFJ LED LF
DELTA	65W	Adapter DELTA 65W 19V 1.7x5.5x11 Yellow SADP-65KB DFJ LED LF
DELTA	65W	Adapter DELTA 65W 19V 1.7x5.5x11 Yellow SADP-65KB DFJ LED LF
Audio Codec		
Realtek	ALC888S	ALC888S
Realtek	ALC888S	ALC888S
Realtek	ALC888S	ALC888S
Battery		
SANYO	6CELL2.2	Battery SANYO AS-2007A Li-Ion 3S2P SANYO 6 cell 4400mAh Main COMMON Normal Type
SANYO	6CELL2.2	Battery SANYO AS-2007A Li-Ion 3S2P SANYO 6 cell 4400mAh Main COMMON Normal Type
SONY	6CELL2.2	Battery SONY AS-2007A Li-Ion 3S2P SONY 6 cell 4400mAh Main COMMON Normal Type
Bluetooth		
Foxconn	BT 2.0	Foxconn Bluetooth FOX_BRM_2.0 F/W 300
Foxconn	BT 2.0	Foxconn Bluetooth FOX_BRM_2.0 F/W 300
Foxconn	BT 2.0	Foxconn Bluetooth FOX_BRM_2.0 F/W 300
Camera		
Chicony	0.3M DV	Chicony 0.3M DV Calla_2
Chicony	0.3M DV	Chicony 0.3M DV Calla_2
Card Reader		
N/A	5 in 1-Build in	5 in 1-Build in MS, MS Pro, SD, SC, XD
N/A	5 in 1-Build in	5 in 1-Build in MS, MS Pro, SD, SC, XD
N/A	5 in 1-Build in	5 in 1-Build in MS, MS Pro, SD, SC, XD
CPU/Processor		
INTEL	PMDT3200	CPU Intel Pentium Dual-Core T3200 2.0G 1M 667 MV
INTEL	PMDT3400	CPU Intel Pentium Dual-Core T3400 PGA 2.16G 1M 667 MV
INTEL	C2DT6400	CPU Intel Core2Dual T6400 PGA 2.0G 3M 800 35W R-0
INTEL	PMDT3200	CPU Intel Pentium Dual-Core T3200 2.0G 1M 667 MV
INTEL	PMDT3400	CPU Intel Pentium Dual-Core T3400 PGA 2.16G 1M 667 MV
INTEL	C2DT6400	CPU Intel Core2Dual T6400 PGA 2.0G 3M 800 35W R-0
INTEL	PMDT3200	CPU Intel Pentium Dual-Core T3200 2.0G 1M 667 MV
INTEL	PMDT3400	CPU Intel Pentium Dual-Core T3400 PGA 2.16G 1M 667 MV
INTEL	C2DT6400	CPU Intel Core2Dual T6400 PGA 2.0G 3M 800 35W R-0
Finger Print Reader		
Authentec	AES1610	Authentec AES1610

Vendor	Type	Description
HDD		
WD	N160GB5.4KS	HDD WD 2.5" 5400rpm 160GB WD1600BEVT-22ZCTO ML160 SATA LF F/W:11.01A11
HGST	N250GB5.4KS	HDD HGST 2.5" 5400rpm 250GB HTS543225L9A300 Falcon-B SATA LF F/W:C40C
HGST	N320GB5.4KS	HDD HGST 2.5" 5400rpm 320GB HTS543232L9A300 Falcon-B SATA LF F/W:C40C
WD	N160GB5.4KS	HDD WD 2.5" 5400rpm 160GB WD1600BEVT-22ZCTO ML160 SATA LF F/W:11.01A11
HGST	N250GB5.4KS	HDD HGST 2.5" 5400rpm 250GB HTS543225L9A300 Falcon-B SATA LF F/W:C40C
HGST	N320GB5.4KS	HDD HGST 2.5" 5400rpm 320GB HTS543232L9A300 Falcon-B SATA LF F/W:C40C
SEAGATE	N160GB5.4KS	HDD SEAGATE 2.5" 5400rpm 160GB ST9160310AS Crockett SATA LF F/W:0303
SEAGATE	N250GB5.4KS	HDD SEAGATE 2.5" 5400rpm 250GB ST9250827AS Corsair SATA LF F/W:3.AAA
TOSHIBA	N320GB5.4KS	HDD TOSHIBA 2.5" 5400rpm 320GB MK3252GSX Virgo BS SATA LF F/W:LV010J
Keyboard		
None	17KB-FV5 Black	Keyboard 17KB-FV5 Black CP2 Internal Standard (No volume up/down)
None	17KB-FV5 Black	Keyboard 17KB-FV5 Black CP2 Internal Standard (No volume up/down)
None	17KB-FV5 Black	Keyboard 17KB-FV5 Black CP2 Internal Standard (No volume up/down)
LAN		
Broadcom	BCM5764	Broadcom BCM5764
LCD		
AUO	N15.6WXGAG	LCD AUO 15.6" WXGA Glare B156XW01-V0 LF 220nit 8ms
AUO	N15.6WXGAG	LCD AUO 15.6" WXGA Glare B156XW01-V0 LF 220nit 8ms
AUO	N15.6WXGAG	LCD AUO 15.6" WXGA Glare B156XW01-V0 LF 220nit 8ms
Memory		
ELPIDA	SO1GBIII10	Memory ELPIDA SO-DIMM DDRIII 1066 1GB EBJ11UE6BAU0-AE-E LF 64*16 0.07um
SAMSUNG	SO2GBIII10	Memory SAMSUNG SO-DIMM DDRIII 1066 2GB M471B5673DZ1-CF8 LF 128*8 0.065um
ELPIDA	SO1GBIII10	Memory ELPIDA SO-DIMM DDRIII 1066 1GB EBJ11UE6BAU0-AE-E LF 64*16 0.07um
SAMSUNG	SO2GBIII10	Memory SAMSUNG SO-DIMM DDRIII 1066 2GB M471B5673DZ1-CF8 LF 128*8 0.065um
ELPIDA	SO1GBIII10	Memory ELPIDA SO-DIMM DDRIII 1066 1GB EBJ11UE6BAU0-AE-E LF 64*16 0.07um
HYNIX	SO2GBIII10	Memory HYNIX SO-DIMM DDRIII 1066 2GB HMT125S6AFP8C-G7N0 LF 128*8 0.065um
Northbridge		
NVIDIA	NVMCP79MX	NVIDIA MCP79MX

Vendor	Type	Description
ODD		
HLDS	NSM8XS	ODD HLDS Super-Multi DRIVE 12.7mm Tray DL 8X GT10N LF W/O bezel SATA
HLDS	NSM8XS	ODD HLDS Super-Multi DRIVE 12.7mm Tray DL 8X GT10N LF W/O bezel SATA
HLDS	NSM8XS	ODD HLDS Super-Multi DRIVE 12.7mm Tray DL 8X GT10N LF W/O bezel SATA
Software		
McAfee	Software	Antivirus application McAfee
McAfee	Software	Antivirus application McAfee
McAfee	Software	Antivirus application McAfee
WiFi Antenna		
WNC	PIFA	PIFA
WNC	PIFA	PIFA
WNC	PIFA	PIFA
WLAN		
Foxconn	3rd WiFi 1x2 BGN	Foxconn Wireless LAN Atheros AR5B91 1x2 BGN
Foxconn	3rd WiFi 1x2 BGN	Foxconn Wireless LAN Atheros AR5B91 1x2 BGN
Foxconn	3rd WiFi 1x2 BGN	Foxconn Wireless LAN Atheros AR5B91 1x2 BGN

Online Support Information

This section describes online technical support services available to help you repair your Acer Systems.

If you are a distributor, dealer, ASP or TPM, please refer your technical queries to your local Acer branch office. Acer Branch Offices and Regional Business Units may access our website. However some information sources will require a user i.d. and password. These can be obtained directly from Acer CSD Taiwan.

Acer's Website offers you convenient and valuable support resources whenever you need them.

In the Technical Information section you can download information on all of Acer's Notebook, Desktop and Server models including:

- Service guides for all models
- User's manuals
- Training materials
- Bios updates
- Software utilities
- Spare parts lists
- TABs (Technical Announcement Bulletin)

For these purposes, we have included an Acrobat File to facilitate the problem-free downloading of our technical material.

Also contained on this website are:

- Detailed information on Acer's International Traveler's Warranty (ITW)
- Returned material authorization procedures
- An overview of all the support services we offer, accompanied by a list of telephone, fax and email contacts for all your technical queries.

We are always looking for ways to optimize and improve our services, so if you have any suggestions or comments, please do not hesitate to communicate these to us.

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